



**UTAH  
EMERGENCY  
DEPARTMENT  
ENCOUNTER  
DATABASE**

**2007  
PUBLIC-USE DATA  
FILE**

**USER MANUAL**

**Version I  
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**BUREAU OF EMERGENCY MEDICAL SERVICES**

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# INTRODUCTION

## Utah Emergency Department Encounter Database

Administrative Rule R426-1-7 (I) mandates all Utah licensed hospitals to report information on emergency department patient encounters. The rule defines the data elements which hospitals are required to submit to the Bureau of Emergency Medical Services under statute and administrative rules specifically for the purpose of constructing a statewide Emergency Department Encounter Database. The database contains the consolidated information on complete billing, medical codes, personal characteristics describing a patient, services received, and charges billed for each patient emergency department (ED) encounter. The ED Encounter Public Data Set includes the combined data on all ED outpatient visits and ED inpatient admissions. A new field Encounter Type with values of 'o' and 'i' has been added to the record layout starting in 1999. Caution should be used when comparing this data with previous years as they only included ED outpatient visits.

Forty eligible hospitals submitted data in every calendar quarter (3-month period) in 2007. **DRG and APR-DRG (v. 20.0) fields including patient severity subclass and risk of mortality have been added starting in 2005. Because of the dramatic change moving from DRG (V24) to MS-DRG (V25) which went into effect on 10/1/2007, we are including both fields as separate data elements ran across the entire year for 2007.**

## Public-Use Data Files (PDF)

Public-Use Data Files are designed to provide general health care information to a wide spectrum of users with minimal controls. The Director of the Bureau of Emergency Medical Services or the Director of the Office of Health Care Statistics can approve a request for a PDF without further review.

Two different public data files are available for 2007 Emergency Department Encounter Data (see page 4 for data elements and file descriptions).

## Data Processing and Quality

Data submission: The Office of Health Care Statistics provides data element definitions to ensure all hospitals will report similar data. The Bureau of Emergency Medical Services/Office of Health care Statistics receives quarterly Emergency Department Encounter Data from hospitals in various formats and media. The data are converted into a standardized format.

System Edits: The data are validated through a process of automated editing and report verification. Each record is subjected to a series of edits that check for accuracy, consistency, completeness, and conformity with the definitions specified in the Utah Hospital Emergency Patient Encounter Data Submittal Manual. Records failing the edit check are returned to the data supplier for correction or comment.

Hospital Reviews: Each hospital is provided with a 35-day review period to validate the compiled data against their hospital records. Any inconsistencies discovered by the hospitals are reevaluated or corrected.

Missing Values: When dealing with unknown values, it is important to distinguish between systematic omission by hospitals, i.e., reporting exemption granted for particular data elements, coding problems that deemed the entire data from the hospital as unusable; and non-systematic omission, i.e., coding problems, invalid codes, etc. While systematic omission creates potential bias, non-systematic omission is assumed to occur randomly. The user is advised to examine missing values by hospitals for each data element to be used.

### **Patient Confidentiality**

The Committee has taken considerable efforts to ensure that no individual patient could be identified from the PDF. Patient's age and payers are grouped. The data elements for the following specific conditions are concealed by coding them at the state level: (1) Utah zip codes where there are less than 30 ED encounters per year are coded as the county abbreviation, and out-of-state zip codes where there are less than 30 ED encounters are coded as the state abbreviation, (2) age groups, sex and zip code are encrypted as 66, E, and -6666, respectively, if the patient's Major Diagnosis Code (MDC) is 25 "Human Immunodeficiency Virus Infection" or if the Diagnosis Related Group (DRG) is 433, 521-523 "Alcohol/Drug Abuse or Dependence".

### **Agreement to Protect Patient Confidentiality**

The data collected by the Utah Department of Health may be used only for the purpose of health statistical reporting and analysis or as specified in the user's written request for the data. Any effort to determine the identity of any reported case or any attempt to link this data set with individually identifiable records is prohibited.

### **Uses of Emergency Department Data**

The PDF includes data on charges and length of stay in hours (LOSH). Several factors affect the comparability of charge and LOSH across hospitals, such as case-mix and severity complexity, payer-mix, market areas and hospital ownership, affiliation or teaching status. Any analysis of charge or LOSH at the hospital level should consider the above factors.

### **Data Format**

Fixed ASCII is the standard format for the public data file, on a CD-ROM. Requests for other formats, such as a SAS Dataset, will be considered.

### **Citation**

Any statistical reporting or analysis based on the data shall cite the source as the following:

*Utah Emergency Department Encounter Data (2007)*. Bureau of Emergency Medical Services/Office of Health Care Statistics. Utah Department of Health. Salt Lake City, Utah. 2009.

## **DRG, MS-DRG and APR-DRG Classification:**

The DRG, MS-DRG and APR-DRG fields in the data were generated using:

3M Core Grouping Software for Windows (Version 9.3.1). Wallingford CT, 3M Health Information Systems, October 2007.

Specifically, for the APR-DRG, and for the 2007 data, the Core Grouping Software executed the following module:

APR-DRG Grouper(Versions 24.0 & 25.0), Wallingford CT, 3M Health Information Systems, October 2006 & October 2007.

The DRG is the original HCFA defined DRG. For all of the 2007 data, the Core Grouping Software generated this using the following module:  
CMS Grouper(Version 24.0), Wallingford CT, 3M Information Systems, October 2006.

The MS-DRG is the new HCFA defined DRG starting with V25.0. For all of the 2007 data, the Core Grouping Software generated this using the following modules:

CMS Grouper(Version 25.0), Wallingford CT, 3M Information Systems, October 2007.

## **Redistribution**

User shall not redistribute the Utah Emergency Department Encounter Data File in its original format. User shall not redistribute any data products derived from the file without written permission from the Bureau of Emergency Medical Services or Office of Health Care Statistics, Utah Department of Health.

## **FILE LAYOUT**

# RECORD LAYOUT OF EMERGENCY DEPARTMENT ENCOUNTER PUBLIC USE DATA FILE I (2007.1)

	DATA ELEMENT	TYPE*	WIDTH	POSITION** From To	EXAMPLE VALUES	Pg
1	Provider identifier (hospital)	Char	3	1 - 3	101, 102, ...	8
2	Patient's age (in categories)	Num	3	4 - 6	0,1,...,21	9
3	Patient's gender	Char	1	7 - 7	M,F	9
4	Source of admission					
	Non-newborns	Char	1	8 - 8	0,1,...	9
	Newborns	Char	1	9 - 9	0,1,...	10
5	Length of stay in hours	Num	8	10 - 17	0,1,...	10
6	Patient's discharge status	Char	2	18 - 19	01,02,...	10
7	Patient's postal zip code	Char	5	20 - 24	84000, AZ	11
8	Patient's residential county	Num	3	25 - 27	1,2,...	13
9	Patient cross-county migration	Char	1	28 - 28	Y,N	13
10	Patient's marital status	Char	1	29 - 29	S,M,...	13
11	Patient's race and ethnicity	Char	2	30 - 31	W,WH,...	14
12	Principal diagnosis code	Char	5	32 - 36	8180,81513	14
13	Secondary diagnosis code 1	Char	5	37 - 41	8180,81513	14
14	Secondary diagnosis code 2	Char	5	42 - 46	8180,81513	14
15	Secondary diagnosis code 3	Char	5	47 - 51	8180,81513	14
16	Secondary diagnosis code 4	Char	5	52 - 56	8180,81513	14
17	Principal procedure	Char	4	57 - 60	480,9711	14
18	Secondary procedure 1	Char	4	61 - 64	480,9711	14
19	Secondary procedure 2	Char	4	65 - 68	480,9711	14
20	External cause code (E-code)	Char	5	69 - 73	E8119	33
21	Admission hour	Num	2	74 - 75	00,01,...	33
22	Total charge	Num	10	76 - 85	498.68	31
23	Emergency Department charge	Num	10	86 - 95	498.68	31
24	Primary payer category	Char	2	96 - 97	01,02,...	31
25	Secondary payer category	Char	2	98 - 99	01,02,...	31
26	Third payer category	Char	2	100 - 101	01,02,...	31
27	Patient's relationship to insured	Num	3	102 - 104	1,2,...	31
28	Outlier, total charge	Num	3	105 - 107	0,1	32
29	Outlier, length of stay in hours	Num	3	108 - 110	0,1	32
30	Encounter quarter	Char	1	111 - 111	1,2,3,4	32
31	< blank >		8	112 - 119		
32	Secondary diagnosis code 5	Char	5	120 - 124	8180,81513	14
33	Secondary diagnosis code 6	Char	5	125 - 129	8180,81513	14
34	Secondary diagnosis code 7	Char	5	130 - 134	8180,81513	14
35	Secondary diagnosis code 8	Char	5	135 - 139	8180,81513	14
36	Secondary procedure code 3	Char	4	140 - 143	480,9711	14
37	Secondary procedure code 4	Char	4	144 - 147	480,9711	14
38	Secondary procedure code 5	Char	4	148 - 151	480,9711	14
39	Major diagnostic category (MDC)	Num	2	152 - 153	0,1,...,25	30
40	Principal diagnostic category	Num	3	154 - 156	0,1,...	32
41	Encounter Type	Char	1	157 - 157	o,i	32
42	Record ID number	Num	10	158 - 167	2700216719	32
43	<b>DRG</b>	<b>Num</b>	<b>3</b>	<b>168 - 170</b>	<b>1 - 579</b>	<b>15</b>
44	<b>Patient severity subclass value</b>	<b>Char</b>	<b>1</b>	<b>171 - 171</b>	<b>0 - 4</b>	<b>33</b>
45	<b>Patient risk of mortality value</b>	<b>Char</b>	<b>1</b>	<b>172 - 172</b>	<b>0 - 4</b>	<b>33</b>
46	<b>APR - DRG</b>	<b>Num</b>	<b>3</b>	<b>173 - 175</b>	<b>1 - 956</b>	<b>34</b>
47	<b>MS - DRG</b>	<b>Num</b>	<b>3</b>	<b>176 - 178</b>	<b>1 - 999</b>	<b>40</b>
48	<b>MS - MDC</b>	<b>Num</b>	<b>2</b>	<b>179 - 180</b>	<b>0,1,...,25</b>	<b>54</b>

\*Variable Type (if data requested is SAS Dataset): Char=Character, Num=Numeric

\*\*Column position (if data requested is ASCII file)

# RECORD LAYOUT OF EMERGENCY DEPARTMENT ENCOUNTER PUBLIC USE DATA FILE III (2007.3)

	DATA ELEMENT	TYPE*	WIDTH	POSITION** From To	EXAMPLE VALUES	Pg
1	Provider identifier (hospital)	Char	3	1 - 3	101, 102, ...	8
2	Patient's age (in categories)	Num	3	4 - 6	0,1,...,21	9
3	Patient's gender	Char	1	7 - 7	M,F	9
4	Length of stay in hours	Num	8	8 - 15	0,1,...	10
5	Patient's discharge status	Char	2	16 - 17	0,1,...	10
6	Patient's residential county	Num	3	18 - 20	1,2,...	13
7	Principal diagnosis code	Char	5	21 - 25	8180,81513	14
8	Principal procedure	Char	4	26 - 29	480,9711	14
9	Secondary procedure 1	Char	4	30 - 33	480,9711	14
10	Secondary procedure 2	Char	4	34 - 37	480,9711	14
11	External cause code (E-code)	Char	5	38 - 42	E8119	33
12	Admission hour	Num	2	43 - 44	00,01,...	33
13	Total charge	Num	10	45 - 54	498.68	31
14	Emergency Department charge	Num	10	55 - 64	498.68	31
15	Primary payer category	Char	2	65 - 66	01,02,..	31
16	< blank >		8	67 - 74		
17	Principal diagnostic category	Num	3	75 - 77	0,1,...	32
18	Encounter Type	Char	1	78 - 78	o,i	32
19	Record ID number	Num	10	79 - 88	2700216719	32

\*Variable Type (if data requested is SAS Dataset): Char=Character, Num=Numeric

\*\*Column position (if data requested is ASCII file)



# **DESCRIPTION OF DATA ELEMENTS**

**Provider Identifier:** (see Appendix A for hospital characteristics)  
Hospital from which patient was released.

101 = BEAVER VALLEY HOSPITAL  
102 = MILFORD VALLEY MEMORIAL HOSPITAL – CAH  
103 = BRIGHAM CITY COMMUNITY HOSPITAL  
104 = BEAR RIVER VALLEY HOSPITAL  
105 = LOGAN REGIONAL HOSPITAL  
106 = CASTLEVIEW HOSPITAL  
107 = LAKEVIEW HOSPITAL  
108 = DAVIS HOSPITAL & MEDICAL CENTER  
109 = UINTAH BASIN MEDICAL CENTER  
110 = GARFIELD MEMORIAL HOSPITAL AND CLINICS  
111 = ALLEN MEMORIAL HOSPITAL – CAH  
112 = VALLEY VIEW MEDICAL CENTER  
113 = CENTRAL VALLEY MEDICAL CENTER – CAH  
114 = KANE COUNTY HOSPITAL  
115 = FILLMORE COMMUNITY MEDICAL CENTER – CAH  
116 = DELTA COMMUNITY MEDICAL CENTER – CAH  
117 = JORDAN VALLEY HOSPITAL  
118 = ALTA VIEW HOSPITAL  
119 = COTTONWOOD HOSPITAL MEDICAL CENTER  
120 = SALT LAKE REGIONAL MEDICAL CENTER  
121 = LDS HOSPITAL  
122 = PRIMARY CHILDREN'S MEDICAL CENTER  
124 = ST. MARK'S HOSPITAL  
125 = UNIVERSITY OF UTAH HOSPITALS & CLINICS  
126 = PIONEER VALLEY HOSPITAL  
128 = SAN JUAN HOSPITAL – CAH  
129 = GUNNISON VALLEY HOSPITAL – CAH  
130 = SANPETE VALLEY HOSPITAL – CAH  
132 = SEVIER VALLEY HOSPITAL  
133 = MOUNTAIN WEST MEDICAL CENTER  
134 = ASHLEY VALLEY MEDICAL CENTER  
135 = OREM COMMUNITY HOSPITAL  
136 = AMERICAN FORK HOSPITAL  
137 = MOUNTAIN VIEW HOSPITAL  
138 = UTAH VALLEY REGIONAL MEDICAL CENTER  
139 = HEBER VALLEY MEDICAL CENTER – CAH  
140 = DIXIE REGIONAL MEDICAL CENTER  
141 = MCKAY-DEE HOSPITAL CENTER  
142 = OGDEN REGIONAL MEDICAL CENTER  
144 = TIMPANOGOS REGIONAL HOSPITAL  
145 = CACHE VALLEY SPECIALTY HOSPITAL (ER-OUT ONLY)  
**146 = INTERMOUNTAIN MEDICAL CENTER**  
307 = THE ORTHOPEDIC SPECIALTY HOSPITAL (2003 ER-INP ONLY)  
310 = UNIVERSITY HUNTSMAN CANCER HOSPITAL (ER-INP ONLY)

**Patient's Age** (as of last birthday) at the Date of Release

- 0 = 1 - 28 days
- 1 = 29 - 365 days
- 2 = 1 - 4 years
- 3 = 5 - 9
- 4 = 10 - 14
- 5 = 15 - 17
- 6 = 18 - 19
- 7 = 20 - 24
- 8 = 25 - 29
- 9 = 30 - 34
- 10 = 35 - 39
- 11 = 40 - 44
- 12 = 45 - 49
- 13 = 50 - 54
- 14 = 55 - 59
- 15 = 60 - 64
- 16 = 65 - 69
- 17 = 70 - 74
- 18 = 75 - 79
- 19 = 80 - 84
- 20 = 85 - 89
- 21 = 90 +
- 66 = Encrypted (confidential data)
- 99 = Unknown
- Blank = Not reported

**Patient's Gender**

- M = Male
- F = Female
- U = Unknown
- E = Encrypted (confidential data)
- Blank = Not reported

**Source of Admission for Non-Newborns**

- 0 = Newborns
- 1 = Physician Referral  
The patient was admitted to this facility upon the recommendation of his or her personal physician. (See code 3 if the physician has an HMO affiliation.)
- 2 = Clinic Referral  
The patient was admitted to this facility upon recommendation of this facility's clinic physician.
- 3 = HMO referral  
The patient was admitted to this facility upon the recommendation of a health maintenance organization (HMO) physician.
- 4 = Transfer from a hospital  
The patient was admitted to this facility as a transfer from an acute care facility where he or she was an inpatient.
- 5 = Transfer from a skilled nursing facility  
The patient was admitted to this facility as a transfer from a skilled nursing facility where he or she was an inpatient.
- 6 = Transfer from another health care facility  
The patient was admitted to this facility as a transfer from a health care facility other than an acute care facility or skilled nursing facility.
- 7 = Emergency Department  
The patient was admitted to this facility upon the recommendation of this facility's Emergency Department physician.

8 = Court/Law enforcement

The patient was admitted to this facility upon the direction of a court of law, or upon the request of a law enforcement agency representative.

9 = Information not available

The means by which the patient was admitted to this hospital is not known.

A = Transfer from a critical access hospital

B = Transfer from another HHA

C = Readmission to same HHA

D = Transfer from hospital inpatient in same facility

**E = Transfer from Ambulatory Surgery Center**

**F = Transfer from Hospice and is Under a Hospice Plan of Care or Enrolled in a Hospice Program**

Blank = Not reported

#### **Source of Admission for Newborns**

0 = Non newborns

1 = Normal delivery

A baby delivered without complications.

2 = Premature delivery

A baby delivered with time or weight factors qualifying it for premature status.

3 = Sick baby

A baby delivered with medical complications, other than those relating to premature status.

4 = Extramural birth

A baby born in a non-sterile environment.

**5 = Born inside this hospital (starting Q4 07)**

**6 = Born outside this hospital (starting Q4 07)**

9 = Information not available.

Blank = Not reported

#### **Length of Stay in hours**

Total hours stayed in hospital from the hour of admission to the hour of release.

Blank = Not reported

#### **Patient's Discharge Status**

01 = Release to home or self care, routine release

02 = Released/transferred to another short-term general hospital

03 = Released/transferred to skilled nursing facility

04 = Released/transferred to an intermediate care facility

05 = Released/transferred to another type of institution

06 = Released/transferred to home under care of organized home health service organization

07 = Left against medical advice

08 = Released/transferred to home under care of a home IV provider

20 = Expired

40 = Expired at home

41 = Expired in a medial facility; i.e. hospital, skilled nursing facility, intermediate care

facility, or free standing hospice  
 42 = Expired - place unknown  
 43 = Discharged to federal facility  
 50 = Discharged/transferred to hospice - home  
 51 = Discharged/transferred to hospice - medical facility  
 61 = Discharged/transferred within institution to  
     hospital based medicare swing bed  
 62 = Discharged/transferred to another rehab facility  
     including distinct part units in hospital  
 63 = Discharged/transferred to a long term care hospital  
 64 = Discharged/transferred to a nursing facility  
     certified under medicaid but not certified under  
     medicare  
 65 = Discharged/transferred to a psychiatric facility  
 66 = Discharged/transferred to a Critical Access Hospital  
 71 = Discharged/transferred/referred to another  
     institution for outpatient (as per plan of care)  
 72 = Discharged/transferred to this institution  
     for outpatient services(as per plan of care)  
 09 = Unknown  
 Blank = Not reported

#### **Patient's Residential Postal Zip Code**

84000-84799 = Zip codes in Utah  
 -4444 = Homeless (word homeless or homeless code of ZZZZZ given as address)  
 -5555 = Unknown Utah (Unknown/invalid zip code with Utah address)  
     (Note: If the city is present in the address but the zip code is not, the zip code variable is  
     coded as -5555 while the county variable is coded with the actual county identifier)  
 -6666 = Encrypted (confidential data)  
 -8888 = Unknown (completely missing address information)  
 -9999 = Outside U.S.A. (foreign address)

Helpful Hint: A quick way to identify the city associated with a  
 zip code is to use the United States Postal Service website:  
[http://www.usps.gov/ncsc/lookups/lookup\\_ctystzip.html](http://www.usps.gov/ncsc/lookups/lookup_ctystzip.html)

If less than 30 encounters occurred for a Utah zip code area, this zip code was mapped into the  
 county code:

Beave = Beaver  
 BoxEl = Box Elder  
 Cache = Cache  
 Carbo = Carbon  
 Dagge = Daggett  
 Davis = Davis  
 Duche = Duchesne  
 Emery = Emery  
 Garfi = Garfield  
 Iron = Iron  
 Milla = Millard  
 Morga = Morgan  
 MulCo = Multi county  
 Piute = Piute  
 Rich = Rich  
 SaltL = Salt Lake  
 SanJu = San Juan  
 Sanpe = Sanpete  
 Sevie = Sevier

Summi = Summit  
Tooel = Tooele  
Uinta = Uintah  
Washi = Washington  
Wayne = Wayne  
Weber = Weber

If less than 30 encounters occurred for a non-Utah zip code area, this zip code was mapped into the state code:

AL = ALABAMA  
AK = ALASKA  
AZ = ARIZONA  
AR = ARKANSAS  
CA = CALIFORNIA  
CO = COLORADO  
CT = CONNECTICUT  
DE = DELAWARE  
DC = DISTRICT OF COLUMBIA  
FL = FLORIDA  
GA = GEORGIA  
HI = HAWAII  
ID = IDAHO  
IL = ILLINOIS  
IN = INDIANA  
IA = IOWA  
KS = KANSAS  
KY = KENTUCKY  
LA = LOUISIANA  
ME = MAINE  
MD = MARYLAND  
MA = MASSACHUSETTS  
MI = MICHIGAN  
MN = MINNESOTA  
MS = MISSISSIPPI  
MO = MISSOURI  
MT = MONTANA  
NE = NEBRASKA  
NV = NEVADA  
NH = NEW HAMPSHIRE  
NJ = NEW JERSEY  
NM = NEW MEXICO  
NY = NEW YORK  
NC = NORTH CAROLINA  
ND = NORTH DAKOTA  
OH = OHIO  
OK = OKLAHOMA  
OR = OREGON  
PA = PENNSYLVANIA  
RI = RHODE ISLAND  
SC = SOUTH CAROLINA  
SD = SOUTH DAKOTA  
TN = TENNESSEE  
TX = TEXAS  
UT = UTAH  
VT = VERMONT  
VA = VIRGINIA

WA = WASHINGTON  
WV = WEST VIRGINIA  
WI = WISCONSIN  
WY = WYOMING  
PR = PUERTO RICO  
GU = GUAM

**Patient's Residential County**

1= Box Elder  
2= Cache  
3= Rich  
4= Morgan  
5= Weber  
6= Davis  
7= Salt Lake  
8= Summit  
9= Tooele  
10= Utah  
11= Wasatch  
12= Daggett  
13= Duchesne  
14= Uintah  
15= Juab  
16= Millard  
18= Sanpete  
17= Piute  
19= Sevier  
20= Wayne  
21= Carbon  
22= Emery  
23= Grand  
24= San Juan  
25= Beaver  
26= Garfield  
27= Iron  
28= Kane  
29= Washington  
30= Multi-County (used in earlier versions of Dataset--the  
category has been eliminated)  
44= Homeless (word homeless or homeless code of ZZZZZ given as  
address)  
55= Unknown Utah (unknown city & zip but Utah in address)  
77= Outside Utah (but in U.S.A.)  
88= Unknown (completely missing address information)  
99= Outside U.S.A. (foreign address)

**Patient's Cross-County Migrant Status** (hospital in different county than  
patient residence)

Y = Yes (includes out-of-state, foreign, out-of-county, homeless)  
N = No (from same county)  
U = Unknown (includes unknown and unknown but Utah residence)

**Patient's Marital Status**

S = Single

M = Married  
X = Legally Separated  
D = Divorced  
W = Widowed  
U = Unknown  
P = Life Partner  
Blank = Not reported

**Patient's Race and Ethnicity**

W = White, non-Hispanic origin  
WH = White, Hispanic origin  
NW = Non-white, Hispanic origin  
NH = Non-white, non-Hispanic origin  
UK = Unknown  
Blank = Not reported

**Principal Diagnosis Code**

The first four digits of ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM code but has been stripped out of data).

Blank = Not reported

ICD-9-CM E-Codes and V-Codes might also be found in this field.

The ICD-9-CM diagnosis codes, as well as the E-Codes and V-Codes can be looked up on the Internet at Yaki Technologies' Website  
**[www.eicd.com/eicdmain.htm](http://www.eicd.com/eicdmain.htm)**.

**Secondary Diagnosis Code 1 ... Secondary Diagnosis Code 8**

Definition and category are the same as the Principal Diagnosis Code.

**Principal Procedure Code**

The four digits of ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 2nd and 3rd digit (decimal point is part of ICD-9-CM code but has been stripped out of data).

Blank = Not reported

**Secondary Procedure Code 1 ... Secondary Procedure Code 5**

Definition and category are the same as Principal Procedure Code.



**Diagnosis Related Group (DRG) Version 24 (data through 3<sup>rd</sup> quarter 2007)**

1\* CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA (prior to 10-1-02)  
1\* CRANIOTOMY AGE >17 WITH COMPLICATIONS, COMORBIDITIES (beginning 10-1-02)  
2\* CRANIOTOMY FOR TRAUMA AGE >17 (prior to 10-1-02)  
2\* CRANIOTOMY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES (beginning 10-1-02)  
3 CRANIOTOMY AGE 0-17  
4\* SPINAL PROCEDURES (prior to 10-1-03; no DRG 4 beginning 10-1-03 when DRGs 531-532 were added)  
5\* EXTRACRANIAL VASCULAR PROCEDURES (prior to 10-1-03; no DRG 5 beginning 10-1-03 when DRGs 533-534 were added)  
6 CARPAL TUNNEL RELEASE  
7 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
8 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
9 SPINAL DISORDERS & INJURIES  
10 NERVOUS SYSTEM NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES  
11 NERVOUS SYSTEM NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES  
12 DEGENERATIVE NERVOUS SYSTEM DISORDERS  
13 MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA  
14\* SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TRANSIENT ISCHEMIC ATTACK (prior to 10-1-02)  
14\* INTRA CRANIAL HEMORRHAGE AND STROKE WITH INFARCTION (beginning 10-1-02, used to 10-1-04)  
14\* INTRACRANIAL HEMORRHAGE & STROKE W/ INFARCTION (beginning 10-1-03)  
14\* INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION (beginning 10-1-04)  
15\* TRANSIENT ISCHEMIC ATTACK & PRECEREBRAL OCCLUSIONS (prior to 10-1-02)  
15\* NONSPECIFIC CEREBROVASCULAR AND PRECEREBRAL OCCLUSION WITHOUT INFARCTION (beginning 10-1-02)  
16 NONSPECIFIC CEREBROVASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
17 NONSPECIFIC CEREBROVASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
18 CRANIAL & PERIPHERAL NERVE DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
19 CRANIAL & PERIPHERAL NERVE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
20\* NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS (prior to 10-1-06)  
21 VIRAL MENINGITIS  
22 HYPERTENSIVE ENCEPHALOPATHY  
23 NONTRAUMATIC STUPOR & COMA  
24\* SEIZURE & HEADACHE AGE >17 WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)  
25\* SEIZURE & HEADACHE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)  
26 SEIZURE & HEADACHE AGE 0-17  
27 TRAUMATIC STUPOR & COMA, COMA >1 HR  
28 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
29 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
30 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE 0-17  
31 CONCUSSION AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
32 CONCUSSION AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
33 CONCUSSION AGE 0-17  
34 OTHER DISORDERS OF NERVOUS SYSTEM WITH COMPLICATIONS, COMORBIDITIES  
35 OTHER DISORDERS OF NERVOUS SYSTEM WITHOUT COMPLICATION, COMORBIDITIES  
36 RETINAL PROCEDURES

## **Diagnosis Related Group (DRG)**

37 ORBITAL PROCEDURES  
38 PRIMARY IRIS PROCEDURES  
39 LENS PROCEDURES WITH OR WITHOUT VITRECTOMY  
40 EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17  
41 EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17  
42 INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS  
43 HYPHEMA  
44 ACUTE MAJOR EYE INFECTIONS  
45 NEUROLOGICAL EYE DISORDERS  
46 OTHER DISORDERS OF THE EYE AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
47 OTHER DISORDERS OF THE EYE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
48 OTHER DISORDERS OF THE EYE AGE 0-17  
49 MAJOR HEAD & NECK PROCEDURES  
50 SIALOADENECTOMY  
51 SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY  
52 CLEFT LIP & PALATE REPAIR  
53 SINUS & MASTOID PROCEDURES AGE >17  
54 SINUS & MASTOID PROCEDURES AGE 0-17  
55 MISCELLANEOUS EAR, NOSE, MOUTH & THROAT PROCEDURES  
56 RHINOPLASTY  
57 TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY,  
AGE >17  
58 TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY,  
AGE 0-17  
59 TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17  
60 TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17  
61 MYRINGOTOMY WITH TUBE INSERTION AGE >17  
62 MYRINGOTOMY WITH TUBE INSERTION AGE 0-17  
63 OTHER EAR, NOSE, MOUTH & THROAT OPERATING ROOM PROCEDURES  
64 EAR, NOSE, MOUTH & THROAT MALIGNANCY  
65 DISEQUILIBRIUM  
66 EPISTAXIS  
67 EPIGLOTTITIS  
68 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
69 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE > 17 WITHOUT  
COMPLICATIONS, COMORBIDITIES  
70 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE 0-17  
71 LARYNGOTRACHEITIS  
72 NASAL TRAUMA & DEFORMITY  
73 OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17  
74 OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17  
75 MAJOR CHEST PROCEDURES  
76 OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES  
77 OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS,  
COMORBIDITIES  
78 PULMONARY EMBOLISM  
79 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
80 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
81 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17  
82 RESPIRATORY NEOPLASMS

## **Diagnosis Related Group (DRG)**

83 MAJOR CHEST TRAUMA WITH COMPLICATIONS, COMORBIDITIES  
84 MAJOR CHEST TRAUMA WITHOUT COMPLICATIONS, COMORBIDITIES  
85 PLEURAL EFFUSION WITH COMPLICATIONS, COMORBIDITIES  
86 PLEURAL EFFUSION WITHOUT COMPLICATIONS, COMORBIDITIES  
87 PULMONARY EDEMA & RESPIRATORY FAILURE  
88 CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
89 SIMPLE PNEUMONIA & PLEURISY AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
90 SIMPLE PNEUMONIA & PLEURISY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
91 SIMPLE PNEUMONIA & PLEURISY AGE 0-17  
92 INTERSTITIAL LUNG DISEASE WITH COMPLICATIONS, COMORBIDITIES  
93 INTERSTITIAL LUNG DISEASE WITHOUT COMPLICATIONS, COMORBIDITIES  
94 PNEUMOTHORAX WITH COMPLICATIONS, COMORBIDITIES  
95 PNEUMOTHORAX WITHOUT COMPLICATIONS, COMORBIDITIES  
96 BRONCHITIS & ASTHMA AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
97 BRONCHITIS & ASTHMA AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
98 BRONCHITIS & ASTHMA AGE 0-17  
99 RESPIRATORY SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES  
100 RESPIRATORY SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES  
101 OTHER RESPIRATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES  
102 OTHER RESPIRATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES  
103\* HEART TRANSPLANT (prior to 10-1-04)  
103\* HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM (beginning 10-1-04)  
104\* CARDIAC VALVE PROCEDURES WITH CARDIAC CATHETER (prior to 10-1-98)  
104\* CARDIAC VALVE & OTHER MAJOR CARDIOTHORACIC PROCEDURES WITH CARDIAC CATHETER  
(beginning 10-1-98)  
105\* CARDIAC VALVE PROCEDURES WITHOUT CARDIAC CATHETER (prior to 10-1-98)  
105\* CARDIAC VALVE & OTHER MAJOR CARDIOTHORACIC PROC WITHOUT CARDIAC CATHETER  
(beginning 10-1-98)  
106\* CORONARY BYPASS WITH CARDIAC CATHETER (prior to 10-1-98)  
106\* CORONARY BYPASS WITH PTCA (beginning 10-1-98)  
107\* CORONARY BYPASS WITHOUT CARDIAC CATHETER (prior to 10-1-98)  
107\* CORONARY BYPASS WITH CARDIAC CATHETER (beginning 10-1-98; no DRG 107  
beginning 10-1-05 when DRGs 547-548 were added)  
108 OTHER CARDIOTHORACIC PROCEDURES  
109\* CORONARY BYPASS WITHOUT CARDIAC CATHETER (beginning 10-1-98; no DRG 109  
beginning 10-1-05 when DRGs 549-550 were added)  
110 MAJOR CARDIOVASCULAR PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
111 MAJOR CARDIOVASCULAR PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
112\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES (prior to 10-1-01; no DRG 112  
beginning 10-1-01 when DRGs 516-518 were added)  
113 AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE  
114 UPPER LIMB & TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS  
115\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH ACUTE MYOCARDIAL INFARCTION, HEART  
FAILURE OR SHOCK (prior to 10-1-97)  
115\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH ACUTE MYOCARDIAL INFARCTION, HEART  
FAILURE OR SHOCK, OR AICD LEAD OR GENERATOR PROC (beginning 10-1-97; no  
DRG 115 beginning 10-1-05 when DRG 551 was added)  
116\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT OR AICD LEAD OR GENERATOR PROC  
(prior to 10-1-97)  
116\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT OR PTCA WITH CORONARY ARTERY  
STENT IMPLANT (between 10-1-97 and 10-1-01)  
116\* OTHER CARDIAC PACEMAKER IMPLANTATION (beginning 10-1-01; no DRG 116  
beginning 10-1-05 when DRG 552 was added)  
117 CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT

## **Diagnosis Related Group (DRG)**

118	CARDIAC PACEMAKER DEVICE REPLACEMENT
119	VEIN LIGATION & STRIPPING
120	OTHER CIRCULATORY SYSTEM OPERATING ROOM PROCEDURES
121*	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION & CARDIOVASCULAR COMPLICATIONS, DISCHARGED ALIVE (prior to 10-1-97)
121*	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION & MAJOR COMPLICATION, DISCHARGED ALIVE (beginning 10-1-97)
122*	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION WITHOUT CARDIOVASCULAR COMPLICATION, DISCHARGED ALIVE (prior to 10-1-97)
122*	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION WITHOUT MAJOR COMPLICATION, DISCHARGED ALIVE (beginning 10-1-97)
123	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION, EXPIRED
124	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC CATHETER & COMPLEX DIAGNOSES
125	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC CATHETER WITHOUT COMPLEX DIAGNOSES
126	ACUTE & SUBACUTE ENDOCARDITIS
127	HEART FAILURE & SHOCK
128	DEEP VEIN THROMBOPHLEBITIS
129	CARDIAC ARREST, UNEXPLAINED
130	PERIPHERAL, VASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES
131	PERIPHERAL VASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
132	ATHEROSCLEROSIS WITH COMPLICATIONS, COMORBIDITIES
133	ATHEROSCLEROSIS WITHOUT COMPLICATIONS, COMORBIDITIES
134	HYPERTENSION
135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITH COMPLICATIONS, COMORBIDITIES
136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17
138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITH COMPLICATIONS, COMORBIDITIES
139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
140	ANGINA PECTORIS
141	SYNCOPE & COLLAPSE WITH COMPLICATIONS, COMORBIDITIES
142	SYNCOPE & COLLAPSE WITHOUT COMPLICATIONS, COMORBIDITIES
143	CHEST PAIN
144	OTHER CIRCULATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES
145	OTHER CIRCULATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES
146	RECTAL RESECTION WITH COMPLICATIONS, COMORBIDITIES
147	RECTAL RESECTION WITHOUT COMPLICATIONS, COMORBIDITIES
148*	MAJOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)
149	MAJOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
150	PERITONEAL ADHESIOLYSIS WITH COMPLICATIONS, COMORBIDITIES
151	PERITONEAL ADHESIOLYSIS WITHOUT COMPLICATIONS, COMORBIDITIES
152	MINOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
153	MINOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
154*	STOMACH, ESOPHAGEAL, & DUODENAL PROCEDURES AGE >17 WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)
155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
156	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17
157	ANAL & STOMAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

## **Diagnosis Related Group (DRG)**

158	ANAL & STOMAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITH COMPLICATIONS, COMORBIDITIES
160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITH COMPLICATIONS, COMORBIDITIES
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
163	HERNIA PROCEDURES AGE 0-17
164	APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS, COMORBIDITIES
165	APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS, COMORBIDITIES
166	APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS, COMORBIDITIES
167	APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS, COMORBIDITIES
168	MOUTH PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
169	MOUTH PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
170	OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
171	OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
172	DIGESTIVE MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES
173	DIGESTIVE MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES
174	GASTROINTESTINAL HEMORRHAGE WITH COMPLICATIONS, COMORBIDITIES
175	GASTROINTESTINAL HEMORRHAGE WITHOUT COMPLICATIONS, COMORBIDITIES
176	COMPLICATED PEPTIC ULCER
177	UNCOMPLICATED PEPTIC ULCER WITH COMPLICATIONS, COMORBIDITIES
178	UNCOMPLICATED PEPTIC ULCER WITHOUT COMPLICATIONS, COMORBIDITIES
179	INFLAMMATORY BOWEL DISEASE
180	GASTROINTESTINAL OBSTRUCTION WITH COMPLICATIONS, COMORBIDITIES
181	GASTROINTESTINAL OBSTRUCTION WITHOUT COMPLICATIONS, COMORBIDITIES
182	ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17 WITH COMPLICATIONS, COMORBIDITIES
183	ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
184	ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE 0-17
185	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS AGE >17
186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17
187	DENTAL EXTRACTIONS & RESTORATIONS
188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITH COMPLICATIONS, COMORBIDITIES
189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
190	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17
191	PANCREAS, LIVER & SHUNT PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
192	PANCREAS, LIVER & SHUNT PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
193	BILIARY TACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES
194	BILIARY TRACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES
195	CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES

## **Diagnosis Related Group (DRG)**

196	CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES
197	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT COMMON DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES
198	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES
199	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY
200	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY
201	OTHER HEPATOBIILIARY OR PANCREAS OPERATING ROOM PROCEDURES
202	CIRRHOSIS & ALCOHOLIC HEPATITIS
203	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY
205	DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS WITH COMPLICATIONS, COMORBIDITIES
206	DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS WITHOUT COMPLICATIONS, COMORBIDITIES
207	DISORDERS OF THE BILIARY TRACT WITH COMPLICATIONS, COMORBIDITIES
208	DISORDERS OF THE BILIARY TRACT WITHOUT COMPLICATIONS, COMORBIDITIES
209*	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF LOWER EXTREMITY (no DRG 209 beginning 10-1-05 when DRGs 544-545 were added)
210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITH COMPLICATIONS, COMORBIDITIES
211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17
213	AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISORDERS
214*	BACK & NECK PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-97; no DRG 214 beginning 10-1-97 when DRGs 497-500 were added)
215*	BACK & NECK PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-07; no DRG 215 beginning 10-1-97 when DRGs 497-500 were added)
216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE
217	WOUND DEBRIDEMENT & SKIN GRAFT EXCEPT HAND, FOR MUSCULOSKELETAL & CONNECTIVE TISSUE DISORDERS AGE>17 WITH COMPLICATIONS, COMORBIDITIES
218	LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE>17 COMPLICATIONS, COMORBIDITIES
219	LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE>17 WITHOUT COMPLICATIONS, COMORBIDITIES
220	LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE 0-17
221*	KNEE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-97; no DRG 221 beginning 10-1-97 when DRGs 501-503 were added)
222*	KNEE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-97; no DRG 222 beginning 10-1-97 when DRGs 501-503 were added)
223	MAJOR SHOULDER/ELBOW PROCEDURE, OR OTHER UPPER EXTREMITY PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
224	SHOULDER, ELBOW OR FOREARM PROCEDURE, EXCEPT MAJOR JOINT PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
225	FOOT PROCEDURES
226	SOFT TISSUE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
227	SOFT TISSUE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
228	MAJOR THUMB OR JOINT PROCEDURE, OR OTHER HAND OR WRIST PROCEDURE WITH COMPLICATIONS, COMORBIDITIES
229	HAND OR WRIST PROCEDURE, EXCEPT MAJOR JOINT PROCEDURE, WITHOUT COMPLICATIONS, COMORBIDITIES
230	LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES OF HIP & FEMUR

## **Diagnosis Related Group (DRG)**

- 231\* LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP & FEMUR  
(prior to 10-1-03; no DRG 231 beginning 10-1-03 and DRGs 537-538 were added)
- 232 ARTHROSCOPY
- 233 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITH COMPLICATIONS, COMORBIDITIES
- 234 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITHOUT COMPLICATIONS, COMORBIDITIES
- 235 FRACTURES OF FEMUR
- 236 FRACTURES OF HIP & PELVIS
- 237 SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH
- 238 OSTEOMYELITIS
- 239 PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONNECTIVE TISSUE MALIGNANCY
- 240 CONNECTIVE TISSUE DISORDERS WITH COMPLICATIONS, COMORBIDITIES
- 241 CONNECTIVE TISSUE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
- 242 SEPTIC ARTHRITIS
- 243 MEDICAL BACK PROBLEMS
- 244 BONE DISEASES & SPECIFIC ARTHROPATHIES WITH COMPLICATIONS, COMORBIDITIES
- 245 BONE DISEASES & SPECIFIC ARTHROPATHIES WITHOUT COMPLICATIONS, COMORBIDITIES
- 246 NON-SPECIFIC ARTHROPATHIES
- 247 SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE
- 248 TENDINITIS, MYOSITIS & BURSITIS
- 249 AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE
- 250 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17 WITH  
COMPLICATIONS, COMORBIDITIES
- 251 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES
- 252 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF FOREARM, HAND, FOOT AGE 0-17
- 253 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE >17 WITH COMPLICATIONS, COMORBIDITIES
- 254 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG, EXCEPT FOOT  
AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
- 255 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE 0-17
- 256 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSIS
- 257 TOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES
- 258 TOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES
- 259 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES
- 260 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES
- 261 BREAST PROCEDURE FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION
- 262 BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY
- 263 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES
- 264 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES
- 265 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES
- 266 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES
- 267 PERIANAL & PILONIDAL PROCEDURES
- 268 SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES
- 269 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES
- 270 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITHOUT COMPLICATIONS,

## **Diagnosis Related Group (DRG)**

	COMORBIDITIES
271	SKIN ULCERS
272	MAJOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES
273	MAJOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
274	MALIGNANT BREAST DISORDERS WITH COMPLICATIONS, COMORBIDITIES
275	MALIGNANT BREAST DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
276	NON-MALIGNANT BREAST DISORDERS
277	CELLULITIS AGE >17 WITH COMPLICATIONS, COMORBIDITIES
278	CELLULITIS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
279	CELLULITIS AGE 0-17
280	TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITH COMPLICATIONS, COMORBIDITIES
281	TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
282	TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE 0-17
283	MINOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES
284	MINOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
285	AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRITION & METABOLIC DISORDERS
286	ADRENAL & PITUITARY PROCEDURES
287	SKIN GRAFTS & WOUND DEBRIDEMENT FOR ENDOCRINE, NUTRITION & METABOLIC DISORDERS
288	OPERATING ROOM PROCEDURES FOR OBESITY
289	PARATHYROID PROCEDURES
290	THYROID PROCEDURES
291	THYROIDECTOMY PROCEDURES
292	OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
293	OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
294	DIABETES AGE >35
295	DIABETES AGE 0-35
296	NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITH COMPLICATIONS, COMORBIDITIES
297	NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
298	NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE 0-17
299	INBORN ERRORS OF METABOLISM
300	ENDOCRINE DISORDERS WITH COMPLICATIONS, COMORBIDITIES
301	ENDOCRINE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
302	KIDNEY TRANSPLANT
303	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM
304	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM WITH COMPLICATIONS, COMORBIDITIES
305	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM WITHOUT COMPLICATIONS, COMORBIDITIES
306	PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES
307	PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES
308	MINOR BLADDER PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
309	MINOR BLADDER PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
310	TRANSURETHRAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
311	TRANSURETHRAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
312	URETHRAL PROCEDURES, AGE > 17 WITH COMPLICATIONS, COMORBIDITIES
313	URETHRAL PROCEDURES, AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
314	URETHRAL PROCEDURES, AGE 0-17



## **Diagnosis Related Group (DRG)**

315 OTHER KIDNEY & URINARY TRACT OPERATING ROOM PROCEDURES  
316 RENAL FAILURE  
317 ADMIT FOR RENAL DIALYSIS  
318 KIDNEY & URINARY TRACT NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES  
319 KIDNEY & URINARY TRACT NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES  
320 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
321 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
322 KIDNEY & URINARY TRACT INFECTIONS AGE 0-17  
323 URINARY STONES WITH COMPLICATIONS, COMORBIDITIES, &/OR EXTRACORPOREAL SHOCK  
WAVE LITHOTRIPSY  
324 URINARY STONES WITHOUT COMPLICATIONS, COMORBIDITIES  
325 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
326 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
327 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17  
328 URETHRAL STRICTURE AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
329 URETHRAL STRICTURE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
330 URETHRAL STRICTURE AGE 0-17  
331 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
332 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
333 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17  
334 MAJOR MALE PELVIC PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
335 MAJOR MALE PELVIC PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
336 TRANSURETHRAL PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES  
337 TRANSURETHRAL PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES  
338 TESTES PROCEDURES, FOR MALIGNANCY  
339 TESTES PROCEDURES, NON-MALIGNANCY AGE >17  
340 TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17  
341 PENIS PROCEDURES  
342 CIRCUMCISION AGE >17  
343 CIRCUMCISION AGE 0-17  
344 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES FOR MALIGNANCY  
345 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES EXCEPT FOR  
MALIGNANCY  
346 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITH COMPLICATIONS, COMORBIDITIES  
347 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITHOUT COMPLICATIONS, COMORBIDITIES  
348 BENIGN PROSTATIC HYPERTROPHY WITH COMPLICATIONS, COMORBIDITIES  
349 BENIGN PROSTATIC HYPERTROPHY WITHOUT COMPLICATIONS, COMORBIDITIES  
350 INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM  
351 STERILIZATION, MALE  
352 OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES  
353 PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULVECTOMY  
354 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITH COMPLICATIONS, COMORBIDITIES  
355 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITHOUT COMPLICATIONS, COMORBIDITIES  
356 FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES  
357 UTERINE & ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY  
358 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITH COMPLICATIONS,  
COMORBIDITIES

## **Diagnosis Related Group (DRG)**

359 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITHOUT COMPLICATIONS,  
COMORBIDITIES

360 VAGINA, CERVIX & VULVA PROCEDURES

361 LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION

362 ENDOSCOPIC TUBAL INTERRUPTION

363 DILATION & CURETTAGE, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY

364 DILATION & CURETTAGE, CONIZATION EXCEPT FOR MALIGNANCY

365 OTHER FEMALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES

366 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITH COMPLICATIONS, COMORBIDITIES

367 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITHOUT COMPLICATIONS, COMORBIDITIES

368 INFECTIONS, FEMALE REPRODUCTIVE SYSTEM

369 MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS

370 CESAREAN SECTION WITH COMPLICATIONS, COMORBIDITIES

371 CESAREAN SECTION WITHOUT COMPLICATIONS, COMORBIDITIES

372 VAGINAL DELIVERY WITH COMPLICATING DIAGNOSES

373 VAGINAL DELIVERY WITHOUT COMPLICATING DIAGNOSES

374 VAGINAL DELIVERY WITH STERILIZATION &/OR DILATION & CURETTAGE

375 VAGINAL DELIVERY WITH OPERATING ROOM PROCEDURE EXCEPT STERILIZATION &/OR  
DILATION & CURETTAGE

376 POSTPARTUM & POST ABORTION DIAGNOSES WITHOUT OPERATING ROOM PROCEDURE

377 POSTPARTUM & POST ABORTION DIAGNOSES WITH OPERATING ROOM PROCEDURE

378 ECTOPIC PREGNANCY

379 THREATENED ABORTION

380 ABORTION WITHOUT DILATION & CURETTAGE

381 ABORTION WITH DILATION & CURETTAGE, ASPIRATION CURETTAGE OR HYSTEROTOMY

382 FALSE LABOR

383 OTHER ANTEPARTUM DIAGNOSES WITH MEDICAL COMPLICATIONS

384 OTHER ANTEPARTUM DIAGNOSES WITHOUT MEDICAL COMPLICATIONS

385 NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY

386 EXTREME IMMATUREITY OR RESPIRATORY DISTRESS SYNDROME, NEONATE

387 PREMATUREITY WITH MAJOR PROBLEMS

388 PREMATUREITY WITHOUT MAJOR PROBLEMS

389 FULL TERM NEONATE WITH MAJOR PROBLEMS

390 NEONATE WITH OTHER SIGNIFICANT PROBLEMS

391 NORMAL NEWBORN

392 SPLENECTOMY AGE >17

393 SPLENECTOMY AGE 0-17

394 OTHER OPERATING ROOM PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS

395 RED BLOOD CELL DISORDERS AGE >17

396 RED BLOOD CELL DISORDERS AGE 0-17

397 COAGULATION DISORDERS

398 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITH COMPLICATIONS, COMORBIDITIES

399 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITHOUT COMPLICATIONS,  
COMORBIDITIES

400\* LYMPHOMA & LEUKEMIA WITH MAJOR OPERATING ROOM PROCEDURE (prior to 10-1-03;  
no DRG 400 beginning 10-1-03 when DRGs 539-540 were added)

401 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES

402 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES

403 LYMPHOMA & NON-ACUTE LEUKEMIA WITH COMPLICATIONS, COMORBIDITIES

404 LYMPHOMA & NON-ACUTE LEUKEMIA WITHOUT COMPLICATIONS, COMORBIDITIES

405 ACUTE LEUKEMIA WITHOUT MAJOR OPERATING ROOM PROCEDURE AGE 0-17

406 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR

## **Diagnosis Related Group (DRG)**

OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
407 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR  
OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
408 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH OTHER  
OPERATING ROOM PROCEDURES  
409 RADIOTHERAPY  
410 CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS  
411 HISTORY OF MALIGNANCY WITHOUT ENDOSCOPY  
412 HISTORY OF MALIGNANCY WITH ENDOSCOPY  
413 OTHER MYELOPROLIFERATIVE DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES  
WITH COMPLICATIONS, COMORBIDITIES  
414 OTHER MYELOPROLIFERATIVE DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES  
WITHOUT COMPLICATIONS, COMORBIDITIES  
415\* OPERATING ROOM PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES (prior to 10-  
1-06)  
416\* SEPTICEMIA AGE >17 (prior to 10-1-06)  
417 SEPTICEMIA AGE 0-17  
418 POSTOPERATIVE & POST-TRAUMATIC INFECTIONS  
419 FEVER OF UNKNOWN ORIGIN AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
420 FEVER OF UNKNOWN ORIGIN AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
421 VIRAL ILLNESS AGE >17  
422 VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17  
423 OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES  
424 OPERATING ROOM PROCEDURE WITH PRINCIPAL DIAGNOSES OF MENTAL ILLNESS  
425\* ACUTE ADJUSTMENT REACTIONS & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION  
(prior to 10/01/99)  
425\* ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION (beginning 10/01/99)  
426 DEPRESSIVE NEUROSES  
427 NEUROSES EXCEPT DEPRESSIVE  
428 DISORDERS OF PERSONALITY & IMPULSE CONTROL  
429 ORGANIC DISTURBANCES & MENTAL RETARDATION  
430 PSYCHOSES  
431 CHILDHOOD MENTAL DISORDERS  
432 OTHER MENTAL DISORDER DIAGNOSES  
433 ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AGAINST MEDICAL ADVICE  
434\* ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-01; no DRG 434 beginning  
10-1-01 when DRGs 521-523 were added)  
435\* ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-01; no DRG 435  
beginning 10-1-01 when DRGs 521-523 were added)  
436\* ALCOHOL/DRUG DEPENDENCE WITH REHABILITATION THERAPY (prior to 10-1-01; no  
DRG 436 beginning 10-1-01 when DRGs 521-523 were added)  
437\* ALCOHOL/DRUG DEPENDENCE, COMBINED REHABILITATION & DETOXIFICATION THERAPY  
(prior to 10-1-01; no DRG 437 beginning 10-1-01 when DRGs 521-523 were  
added)  
439 SKIN GRAFTS FOR INJURIES  
440 WOUND DEBRIDEMENTS FOR INJURIES  
441 HAND PROCEDURES FOR INJURIES  
442 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITH COMPLICATIONS,  
COMORBIDITIES  
443 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITHOUT COMPLICATIONS,  
COMORBIDITIES

## **Diagnosis Related Group (DRG)**

444 TRAUMATIC INJURY AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
445 TRAUMATIC INJURY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
446 TRAUMATIC INJURY AGE 0-17  
447 ALLERGIC REACTIONS AGE >17  
448 ALLERGIC REACTIONS AGE 0-17  
449 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
450 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
451 POISONING & TOXIC EFFECTS OF DRUGS AGE 0-17  
452 COMPLICATIONS OF TREATMENT WITH COMPLICATIONS, COMORBIDITIES  
453 COMPLICATIONS OF TREATMENT WITHOUT COMPLICATIONS, COMORBIDITIES  
454 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITH COMPLICATIONS,  
COMORBIDITIES  
455 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITHOUT COMPLICATIONS,  
COMORBIDITIES  
456\* BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY (prior to 10-1-98; no  
DRG 456 beginning 10-1-98 when DRGs 504-511 were added)  
457\* EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE (prior to 10-1-98; no  
DRG 457 beginning 10-1-98 when DRGs 504-511 were added)  
458\* NON-EXTENSIVE BURNS WITH SKIN GRAFT (prior to 10-1-98; no  
DRG 458 beginning 10-1-98 when DRGs 504-511 were added)  
459\* NON-EXTENSIVE BURNS WITH WOUND DEBRIDEMENT OR OTHER OPERATING ROOM  
PROCEDURE (prior to 10-1-98; no DRG 459 beginning 10-1-98 when DRGs 504-  
511 were added)  
460\* NON-EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE (prior to 10-1-98; no  
DRG 460 beginning 10-1-98 when DRGs 504-511 were added)  
461 OPERATING ROOM PROCEDURE WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH  
SERVICES  
462 REHABILITATION  
463 SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES  
464 SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES  
465 AFTERCARE WITH HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS  
466 AFTERCARE WITHOUT HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS  
467 OTHER FACTORS INFLUENCING HEALTH STATUS  
468 EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
469 PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS  
470 UNGROUPABLE  
471 BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREMITY  
472\* EXTENSIVE BURNS WITH OPERATING ROOM PROCEDURE (prior to 10-1-98; no DRG  
472 beginning 10-1-05 when DRG 553 was added)  
473 ACUTE LEUKEMIA WITHOUT MAJOR OPERATING ROOM PROCEDURE AGE >17  
475\* RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT (prior to 10-1-06)  
476 PROSTATIC OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
477 NON-EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
478\* OTHER VASCULAR PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-  
1-05; no DRG 478 beginning 10-1-05 when DRGs 553-554 were added)  
479 OTHER VASCULAR PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
480\* LIVER TRANSPLANT (prior to 10-1-04)  
480\* LIVER TRANSPLANT AND/OR INTENSTINAL TRANSPLANT (beginning 10-1-04)  
481 BONE MARROW TRANSPLANT  
482 TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES  
483\* TRACHEOSTOMY EXCEPT FOR FACE, MOUTH, & NECK DIAGNOSES (prior to 10-1-02)

## **Diagnosis Related Group (DRG)**

483\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS EXCEPT FACE, MOUTH, & NECK (beginning 10-1-02, used to 10-1-04)

483\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS EXCEPT FACE, MOUTH, AND NECK DIAGNOSES (prior to 10-1-04; no DRG 483 beginning 10-1-04 when DRGs 541-542 were added)

484 CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA

485 LIMB REATTACHMENT, HIP AND FEMUR PROCEDURE FOR MULTIPLE SIGNIFICANT TRAUMA

486 OTHER OPERATING ROOM PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA

487 OTHER MULTIPLE SIGNIFICANT TRAUMA

488 HIV WITH EXTENSIVE OPERATING ROOM PROCEDURE

489 HIV WITH MAJOR RELATED CONDITION

490 HIV WITH OR WITHOUT OTHER RELATED CONDITION

491 MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY

492\* CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS (prior to 10-1-03)

492\* CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS OR WITH USE OF HIGH-DOSE CHEMOTHERAPY AGENT (beginning 10-1-03)

493 LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES

494 LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES

495 LUNG TRANSPLANT

496\* COMBINED ANTERIOR/POSTERIOR SPINAL FUSION (added 10-1-97)

497\* SPINAL FUSION WITH COMPLICATIONS AND COMORBIDITIES (between 10-1-97 and 10-1-01)

497\* SPINAL FUSION EXCEPT CERVICAL WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-01)

498\* SPINAL FUSION WITHOUT COMPLICATIONS AND COMORBIDITIES (between 10-1-97 and 10-1-01)

498\* SPINAL FUSION EXCEPT CERVICAL WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-01)

499\* BACK & NECK PROCEDURES EXCEPT SPINAL FUSION WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-97)

500\* BACK & NECK PROCEDURES EXCEPT SPINAL FUSION WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-97)

501\* KNEE PROCEDURES W PDX OF INFECTION WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-97)

502\* KNEE PROCEDURES W PDX OF INFECTION WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-97)

503\* KNEE PROCEDURES WITHOUT PDX OF INFECTION (added 10-1-97)

504\* EXTENSIVE 3rd DEGREE BURNS WITH SKIN GRAFT (added 10-1-98, used to 10-1-04)

504\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MECHANICAL VENTILATION 96+ HOURS WITH SKIN GRAFT (beginning 10-1-04)

505\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITHOUT SKIN GRAFT (added 10-1-98, used to 10-1-04)

505\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MECHANICAL VENTILATION 96+ HOURS WITHOUT SKIN GRAFT (beginning 10-1-04)

506\* FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITH CC OR SIGNIFICANT TRAUMA (added 10-1-98)

507\* FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITHOUT CC OR SIGNIFICANT TRAUMA (added 10-1-98)

508\* FULL THICKNESS BURN WITHOUT SKIN GRAFT OR INHALATION INJURY WITH CC OR SIGNIFICANT TRAUMA (added 10-1-98)

509\* FULL THICKNESS BURN WITHOUT SKIN GRAFT OR INHALATION INJURY WITHOUT CC OR

## **Diagnosis Related Group (DRG)**

- SIGNIFICANT TRAUMA (added 10-1-98)
- 510\* NON-EXTENSIVE BURNS WITH CC OR SIGNIFICANT TRAUMA (added 10-1-98)
- 511\* NON-EXTENSIVE BURNS WITHOUT CC OR SIGNIFICANT TRAUMA (added 10-1-98)
- 512\* SIMULTANEOUS PANCREAS/KIDNEY TRANSPLANT (added 10-1-01)
- 513\* PANCREAS TRANSPLANTS (added 10-1-01)
- 514\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION (added 10-1-01;  
no DRG 514 beginning 10-1-03 when replaced by DRG 535-DRG 536)
- 515\* CARDIAC DEFIBRILLATOR IMPLANT WITHOUT CARDIAC CATHETERIZATION (added  
10-1-01)
- 516\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITH ACUTE MYOCARDIAL INFARCTION  
(added 10-1-01; no DRG 516 beginning 10-1-05 when DRG 555 was added)
- 517\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT ACUTE MYOCARDIAL INFARCTION,  
WITH CORONARY ARTERY STENT IMPLANT (added 10-1-01; no DRG 517 beginning  
10-1-05 when DRG 556 was added)
- 518\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT ACUTE MYOCARDIAL INFARCTION,  
WITHOUT CORONARY ARTERY STENT IMPLANT (added 10-1-01)
- 519\* CERVICAL SPINAL FUSION WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 520\* CERVICAL SPINAL FUSION WITHOUT COMPLICATIONS AND COMORBIDITIES (added  
10-1-01)
- 521\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITH COMPLICATIONS AND COMORBIDITIES  
(added 10-1-01)
- 522\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITH REHABILITATION THERAPY WITHOUT  
COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 523\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITHOUT REHABILITATION THERAPY WITHOUT  
COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 524\* TRANSIENT ISCHEMIA (added 10-1-02)
- 525\* HEART ASSIST SYSTEM IMPLANT (added 10-1-02, used to 10-1-04)
- 525\* OTHER HEART ASSIST SYSTEM IMPLANT (beginning 10-1-04)
- 526\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH DRUG-ELUDING STENT WITH ACUTE  
MYOCARDIAL INFARCTION (added 04-1-03; no DRG 526 beginning 10-1-05 when  
DRG 557 was added)
- 527\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH DRUG-ELUDING STENT WITHOUT ACUTE  
MYOCARDIAL INFARCTION (added 04-1-03; no DRG 527 beginning 10-1-05 when  
DRG 558 was added)
- 528\* INTRA CRANIAL VASCULAR PROCEDURE WITH PRINCIPAL DIAGNOSIS OF HEMORRHAGE  
(added 10-1-03)
- 529\* VENTRICULAR SHUNT PROCEDURES WITH CC (added 10-1-03)
- 530\* VENTRICULAR SHUNT PROCEDURES WITHOUT CC (added 10-1-03)
- 531\* SPINAL PROCEDURES WITH CC (added 10-1-03)
- 532\* SPINAL PROCEDURES WITHOUT CC (added 10-1-03)
- 533\* EXTRACRANIAL VASCULAR PROCEDURES WITH CC (added 10-1-03)
- 534\* EXTRACRANIAL VASCULAR PROCEDURES WITHOUT CC (added 10-1-03)
- 535\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITH ACUTE  
MYOCARDIAL INFARCTION (AMI), HEART FAILURE OR SHOCK (added 10-1-03)
- 536\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITHOUT ACUTE  
MYOCARDIAL INFARCTION (AMI), HEART FAILURE OR SHOCK (added 10-1-03)
- 537\* LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND  
FEMUR WITH CC (added 10-1-03)
- 538\* LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND  
FEMUR WITHOUT CC (added 10-1-03)
- 539\* LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITH CC (added 10-1-03)
- 540\* LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITHOUT CC (added 10-1-03)
- 541\* ECMO OR TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL

## **Diagnosis Related Group (DRG)**

- DIAGNOSES EXCEPT FACE, MOUTH AND NECK DIAGNOSES WITH MAJOR OPERATING ROOM PROCEDURE (added 10-1-04)
- 542\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS EXCEPT FACE, MOUTH AND NECK DIAGNOSES WITHOUT MAJOR OPERATING ROOM PROCEDURE (added 10-1-04)
- 543\* CRANIOTOMY WITH IMPLANT OF CHEMO AGENT OR ACUTE COMPLEX CNS PRINCIPAL DIAGNOSIS (added 10-1-04)
- 543\* CRANIOTOMY WITH MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PRINCIPAL DIAGNOSIS (added 10-1-04 until 10-1-06)
- 544\* MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY (added 10-1-05)
- 545\* REVISION OF HIP OR KNEE REPLACEMENT (added 10-1-05)
- 546\* SPINAL FUSIONS EXCEPT CERVICAL WITH CURVATURE OF THE SPINE OR MALIGNANCY (added 10-1-05)
- 547\* CORONARY BYPASS WITH CARDIAC CATHETERIZATION WITH MCV DIAGNOSIS (added 10-1-05)
- 548\* CORONARY BYPASS WITH CARDIAC CATHETERIZATION WITHOUT MCV DIAGNOSIS (added 10-1-05)
- 549\* CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITH MCV DIAGNOSIS (added 10-1-05)
- 550\* CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITHOUT MCV DIAGNOSIS (added 10-1-05)
- 551\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH MCV DIAGNOSIS OR AICD LEAD OR GENERATOR (added 10-1-05)
- 552\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT WITHOUT MCV DIAGNOSIS (added 10-1-05)
- 553\* OTHER VASCULAR PROCEDURES WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-05)
- 554\* OTHER VASCULAR PROCEDURES WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-05)
- 555\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH MCV DIAGNOSIS (added 10-1-05)
- 556\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITHOUT MCV DIAGNOSIS (added 10-1-05)
- 557\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITH MCV DIAGNOSIS (added 10-1-05)
- 558\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITH MCV DIAGNOSIS (added 10-1-05)
- 559\* ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT (added 10-1-05)
- 560\* BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM (added 10-1-06)
- 561\* NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS (added 10-1-06)
- 562\* SEIZURE AGE >17 W COMPLICATIONS & COMORBIDITIES (added 10-1-06)
- 563\* SEIZURE AGE >17 WITHOUT COMPLICATIONS & COMORBIDITIES (added 10-1-06)
- 564\* HEADACHES >17 (added 10-1-06)
- 565\* RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT 96+ HRS (added 10-1-06)
- 566\* RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT <96 HRS (added 10-1-06)
- 567\* STOMACH, ESOPHAGEAL & DUODENAL PROC AGE >17 W CC W MAJOR GI DX (added 10-1-06)
- 568\* STOMACH, ESOPHAGEAL & DUODENAL PROC AGE >17 W CC W/O MAJOR GI DX (added 10-1-06)
- 569\* MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W MAJOR GI DX (added 10-1-06)
- 570\* MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W/O MAJOR GI DX (added 10-1-06)

## **Diagnosis Related Group (DRG)**

571\* MAJOR ESOPHAGEAL DISORDERS (added 10-1-06)  
572\* MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS (added 10-1-06)  
573\* MAJOR BLADDER PROCEDURES (added 10-1-06)  
574\* MAJOR HEMATOLOGIC/IMMUNOLOGIC DX EXCEP SCYLE CELL CRISIS & COAG (added 10-1-06)  
575\* SEPTICEMIA W MECHANICAL VENTILATOR 96+ HOURS AGE >17 (added 10-1-06)  
576\* SEPTICEMIA W MECHANICAL VENTILATOR W/O 96+ HOURS AGE >17 (added 10-1-06)  
577\* CAROTID ARTERY STENT PROCEDURE (added 10-1-06)  
578\* INFECTIOUS & PARASITIC DISEASES W OR PROCEDURE (added 10-1-06)  
579\* POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W OR PROCEDURE (added 10-1-06)

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\*Change made in DRG classification. Hospitals provided the Office of Health Care Statistics (OHCS) with ICD-9-CM codes, rather than DRGs, so there was no need for the hospitals to be aware of DRG changes. The DRG was assigned by OHCS using 3M software (reference given on page 3) which classified the hospital discharge into a DRG based on the ICD-9-CM codes and other data such as age. OHCS accounted for DRG changes by using the DRG definitions which applied to the date of hospital discharge.

## **Major Diagnosis Category (MDC) \***

0 = Ungroupable  
1 = Nervous System  
2 = Eye  
3 = Ear, Nose, Mouth & Throat  
4 = Respiratory System  
5 = Circulatory System  
6 = Digestive System  
7 = Hepatobiliary System & Pancreas  
8 = Musculoskeletal System & Connective Tissue  
9 = Skin, Subcutaneous Tissue & Breast  
10 = Endocrine, Nutritional & Metabolic System  
11 = Kidney & Urinary Tract  
12 = Male Reproductive System  
13 = Female Reproductive System  
14 = Pregnancy, Childbirth & the Puerperium  
15 = Newborn & Other Neonates (Perinatal Period)  
16 = Blood and Blood-Forming Disorders  
17 = Myeloproliferative DDs (Diff Neoplasms)  
18 = Infectious and Parasitic DDs  
19 = Mental Diseases and Disorders  
20 = Alcohol/Drug Use or Induced Mental Disorders  
21 = Injuries, Poisoning and Toxic Effect of Drugs  
22 = Burns  
23 = Factors Influencing Health Status  
24 = Multiple Significant Trauma  
25 = Human Immunodeficiency Virus Infection

\*Patients having heart, liver, lung, simultaneous pancreas/kidney, pancreas, or bone marrow transplants, or tracheostomies, traditionally categorized as PRE MDC (0), are assigned by the DRG Grouper into the following DRGs independent of the MDC of the principal diagnosis: 476, 477, 480-483, 495, 512, 513. DRGs (468,469,470) associated with all MDCs are assigned independent of the MDC of the principal diagnosis if the diagnosis is valid. Otherwise, this is the traditional Health Care Financing Administration (HCFA) MDC.



**Total Charge**

Total dollars and cents amount charged for the encounter (with 2 decimal digits).

. = Not reported

**Emergency Department Charge**

Sum of dollar and cent amounts charged for the encounter using the National Uniform Billing Committee's (NUBC) revenue codes 450 and 451 (with 2 decimal digits).

. = Not reported

**Primary Payer Category**

01 = Medicare  
02 = Medicaid  
03 = Other government  
04 = Blue Cross/Blue Shield  
05 = Other commercial  
06 = Managed care  
07 = Self pay  
08 = Industrial and worker's compensation  
09 = Charity/Unclassified  
10 = Unknown  
13 = CHIP (Children's Health Insurance Plan)  
99 = Not reported

**Secondary Payer Category Third Payer Category**

Descriptions are the same as primary payer category.

**Third Payer Category**

Descriptions are the same as primary payer category.

**Patient's Relationship to the First Insured Person**

1 = Patient is the named insured  
2 = Spouse  
3 = Natural Child/insured has financial responsibility  
4 = Natural Child/insured does not have financial responsibility  
5 = Step Child  
6 = Foster Child  
7 = Ward of the Court (Patient is ward of the insured as a result of a court order.)  
8 = Employee (The patient is employed by the named insured.)  
9 = Unknown  
10 = Handicapped Dependent (Dependent child whose coverage extends beyond normal termination age limits as a result of laws or agreements extending coverage.)  
11 = Organ Donor (Code is used in cases where bill is submitted for care given to organ donor where such care is paid by the receiving patient's insurance coverage.)  
12 = Cadaver Donor (Code is used where bill is submitted for procedures performed on a cadaver donor where such procedures are paid by the receiving patient's insurance coverage.)  
13 = Grandchild  
14 = Niece or Nephew  
15 = Injured Plaintiff (Patient is claiming insurance as a result of injury covered by insured.)  
16 = Sponsored Dependent (Individual not normally covered by insurance coverage but coverage has been specially arranged to include relationships such as grandparent or former spouse that would require further investigation by the payer.)

**Patient's Relationship to the First Insured Person** (continued)

- 17 = Minor Dependent of a Minor Dependent (Code is used where patient is a minor and a dependent of another minor who in turn is a dependent, although not a child, of the insured.)
- 18 = Parent
- 19 = Grandparent
- 20 = Life Partner
- blank = Not reported

**Record ID Number**

A unique number for each discharge, which is also unique across all years that inpatient discharge data are available.

**Outlier, Total Charge**

- 0 = No
- 1 = Yes

NOTE: A charge is an outlier if it is above 2.5 standard deviations from the mean of facility charges. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

**Outlier, Length of Stay in hours**

- 0 = No
- 1 = Yes

NOTE: A length of stay is an outlier if it is above 2.5 standard deviations from the mean of the length of stay. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year. **Not currently available in dataset.**

**Encounter Quarter**

- 1 = First Quarter (January 1 to March 31)
- 2 = Second Quarter (April 1 to June 30)
- 3 = Third Quarter (July 1 to September 30)
- 4 = Fourth Quarter (October 1 to December 31)

**Record ID Number**

A unique number for each encounter, which is also unique across all years that ED data are available.

**Encounter Type**

- o = ED Outpatient Visit
- i = ED Inpatient Admission

**Principal Diagnostic Category**ICD-9 Range

- |   |   |
|---|---|
| 1 = Diabetes  | 250.0-250.9                               |
| 2 = Otitis media and Eustachian tube disorders      | 381-382                                   |
| 3 = Heart dis. excl. ischemic                       | 391-392.0,393-398,402,404,415,416,420-429 |
| 4 = Acute upper respiratory inf., excl. pharyngitis | 460-461,463-466                           |
| 5 = Acute pharyngitis                               | 462                                       |
| 6 = Pneumonia                                       | 480-486                                   |
| 7 = Chronic and unspecified bronchitis              | 490-491                                   |
| 8 = Asthma  | 493                                       |
| 9 = Noninfectious enteritis and colitis             | 555-558                                   |
| 10 = Urinary tract infection, site not specified    | 599.0                                     |

**Principal Diagnostic Category (continued)**

11 = Dorsopathies	720-724
12 = Rheumatism, excluding back	725-729
13 = Convulsions	780.3
14 = Headache and migraine	784.0,346.90
15 = Chest pain	786.5
16 = Abdominal pain	789.0
17 = Fractures, excluding lower limb	800-819
18 = Fracture of lower limb	820-829
19 = Sprains and strains, excluding ankle and back	840-844,845.1,848
20 = Sprains and strains of ankle	845.0
21 = Sprains and strains of back	846-847
22 = Open wound of head	870-873
23 = Open wound, excluding head	874-897
24 = Superficial injury	910-919
25 = Contusion with intact skin surface	920-924
99 = All other	

**External Cause Code (E-Code)**

Supplementary classification of External Causes of Injury and Poisoning. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM E-code but has been stripped out of data).

Blank = Not reported

The ICD-9-CM E-codes can be looked up on the Internet at Yaki Technologies' Website  
**[www.eicd.com/eicdmain.htm](http://www.eicd.com/eicdmain.htm)**.

**Admission Hour**

The hour during which the patient arrived at the Emergency Department (using the 24 hour clock format).

**Patient Severity Subclass Value**

- 0 = No value assigned (record is ungroupable into a APR-DRG)
- 1 = Minor severity of illness subclass
- 2 = Moderate severity of illness subclass
- 3 = Major severity of illness subclass
- 4 = Extreme severity of illness subclass

Note: Patient severity subclass value should be used as a subcategory of the APR-DRG.

**Patient Risk of Mortality Value**

- 0 = No value assigned (record is ungroupable into a APR-DRG)
- 1 = Minor risk of mortality
- 2 = Moderate risk of mortality
- 3 = Major risk of mortality
- 4 = Extreme risk of mortality

Note: Patient risk of mortality value should be used as a subcategory of the APR-DRG.

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

001\* Liver transplant (until 10/1/06)  
001\* Liver transplant and/or intestinal transplant (after 10/1/06)  
002 Heart &/or lung transplant  
003 Bone marrow transplant  
004\* Tracheostomy with long term mechanical ventilation w extensive procedure  
(until 10/1/06)  
004\* ECMO or tracheostomy with long term mechanical ventilation w extensive  
procedure (after 10/1/06)  
004\* Tracheostomy with mechanical ventilation 96+ hours w extensive  
procedure or ECMO (after 10/1/07)  
005\* Tracheostomy with long term mechanical ventilation w/o extensive procedure  
(until 10/1/07)  
005\* Tracheostomy with mechanical ventilation 96+ hours w/o extensive procedure  
(after 10/1/07)  
006 Pancreas transplant  
020 Craniotomy for trauma  
021 Craniotomy except for trauma  
022 Ventricular shunt procedures  
023 Spinal procedures  
024 Extracranial vascular procedures  
026 Other nervous system and related procedures  
040 Spinal disorders & injuries  
041 Nervous system malignancy  
042 Degenerative nervous system disorders exc mult sclerosis  
043 Multiple sclerosis & other demyelinating diseases  
044 Intracranial hemorrhage  
045 CVA & precerebral occlusion w infarct  
046 Nonspecific CVA & precerebral occlusion w/o infarct  
047 Transient ischemia  
048 Peripheral, cranial & autonomic nerve disorders  
049 Bacterial & tuberculous infections of nervous system  
050 Non-bacterial infections of nervous system exc viral meningitis  
051 Viral meningitis  
052 Nontraumatic stupor & coma  
053 Seizure  
054 Migraine & other headaches  
055 Head trauma w coma >1 hr or hemorrhage  
056 Brain contusion/laceration & complicated skull fx, coma <1 hr or no coma  
057 Concussion, closed skull fx nos, uncomp intracr injury, coma <1 hr or no coma  
058 Other disorders of nervous system  
070 Orbital procedures  
073 Eye procedures except orbit  
080 Acute major eye infections  
082 Eye disorders except major infections  
089 Major cranial/facial bone procedures  
090 Major larynx & tracheal procedures  
091 Other major head & neck procedures  
092 Facial bone procedures except major cranial/facial bone procedures  
093 Sinus & mastoid procedures  
095 Cleft lip & palate repair  
097 Tonsil & adenoid procedures  
098 Other ear, nose, mouth & throat procedures  
110 Ear, nose, mouth, throat cranial/facial malignancies  
111 Vertigo & other labyrinth disorders  
113 Infections of upper respiratory tract  
114 Dental & oral disease  
115 Other ear, nose, mouth, throat & cranial/facial diagnoses  
120 Major respiratory & chest procedures  
121 Other respiratory & chest procedures

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

130 Respiratory system diagnosis w ventilator support 96+ hours  
131 Cystic fibrosis - pulmonary disease  
132 Bpd & oth chronic respiratory dis arising in perinatal period  
133 Pulmonary edema & respiratory failure  
134 Pulmonary embolism  
135 Major chest & respiratory trauma  
136 Respiratory malignancy  
137 Major respiratory infections & inflammations  
138 Bronchiolitis & rsv pneumonia  
139 Other pneumonia  
140 Chronic obstructive pulmonary disease  
141 Asthma  
142 Interstitial lung disease  
143 Other respiratory diagnoses except signs, symptoms & minor diagnoses  
144 Respiratory system signs, symptoms & other diagnoses  
160 Major cardiothoracic repair of heart anomaly  
161 Cardiac defibrillator & heart assist implant  
162 Cardiac valve procedures w cardiac catheterization  
163 Cardiac valve procedures w/o cardiac catheterization  
165 Coronary bypass w cardiac cath or percutaneous cardiac procedure  
166 Coronary bypass w/o cardiac cath or percutaneous cardiac procedure  
167 Other cardiothoracic procedures  
169 Major thoracic & abdominal vascular procedures  
170 Permanent cardiac pacemaker implant w AMI, heart failure or shock  
171 Perm cardiac pacemaker implant w/o AMI, heart failure or shock  
173 Other vascular procedures  
174 Percutaneous cardiovascular procedures w AMI  
175 Percutaneous cardiovascular procedures w/o AMI  
176 Cardiac pacemaker & defibrillator device replacement  
177 Cardiac pacemaker & defibrillator revision except device replacement  
180 Other circulatory system procedures  
190 Acute myocardial infarction  
191 Cardiac catheterization w circ disord exc ischemic heart disease  
192 Cardiac catheterization for ischemic heart disease  
193 Acute & subacute endocarditis  
194 Heart failure  
196 Cardiac arrest  
197 Peripheral & other vascular disorders  
198 Angina pectoris & coronary atherosclerosis  
199 Hypertension  
200 Cardiac structural & valvular disorders  
201 Cardiac arrhythmia & conduction disorders  
203 Chest pain  
204 Syncope & collapse  
205 Cardiomyopathy  
206 Malfunction, reaction & comp of cardiac/vasc device or proc  
207 Other circulatory system diagnoses  
220 Major stomach, esophageal & duodenal procedures  
221 Major small & large bowel procedures  
222 Other stomach, esophageal & duodenal procedures  
223 Other small & large bowel procedures  
224 Peritoneal adhesiolysis  
225 Appendectomy  
226 Anal procedures  
227 Hernia procedures except inguinal, femoral & umbilical

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

228 Inguinal, femoral & umbilical hernia procedures  
229 Other digestive system & abdominal procedures  
240 Digestive malignancy  
241 Peptic ulcer & gastritis  
242 Major esophageal disorders  
243 Other esophageal disorders  
244 Diverticulitis & diverticulosis  
245 Inflammatory bowel disease  
246 Gastrointestinal vascular insufficiency  
247 Intestinal obstruction  
248 Major gastrointestinal & peritoneal infections  
249 Nonbacterial gastroenteritis, nausea & vomiting  
251 Abdominal pain  
252 Malfunction, reaction & complication of GI device or procedure  
253 Other & unspecified gastrointestinal hemorrhage  
254 Other digestive system diagnosis  
260 Major pancreas, liver & shunt procedures  
261 Major biliary tract procedures  
262 Cholecystectomy except laparoscopic  
263 Laparoscopic cholecystectomy  
264 Other hepatobiliary & pancreas procedures  
279 Hepatic coma & other major acute liver disorders  
280 Alcoholic liver disease  
281 Malignancy of hepatobiliary system & pancreas  
282 Disorders of pancreas except malignancy  
283 Other disorders of liver  
284 Disorders of the gall bladder & biliary tract  
301 Hip joint replacement  
302 Knee joint replacement  
303 Dorsal & lumbar fusion proc for curvature of back  
304 Dorsal & lumbar fusion proc except for curvature of back  
305 Amputation of lower limb except toes  
308 Hip & femur procedures for trauma except joint replacement  
309 Hip & femur procedures for nontrauma except joint replacement  
310 Intervertebral disc excision & decompression  
312 Skin graft except hand, for musculoskeletal & connective tissue diagnosis  
313 Knee & lower leg procedures except foot  
314 Foot & toe procedures  
315 Shoulder, elbow & forearm procedures  
316 Hand & wrist procedures  
317 Tendon, muscle & other soft tissue procedures  
320 Other musculoskeletal system & connective tissue procedures  
321 Cervical spinal fusion & other back/neck procedures except disc excision/dec  
340 Fracture of femur  
341 Fracture of pelvis or dislocation of hip  
342 Fracture or dislocation except femur, pelvis & back  
343 Musculoskeletal malignancy & pathological fractures d/t muscskel malig  
344 Osteomyelitis, septic arthritis & other musculoskeletal infections  
346 Connective tissue disorders  
347 Other back & neck disorders, fractures & injuries  
349 Malfunction, reaction & complications of orthopedic device or procedure  
351 Other musculoskeletal system & connective tissue diagnoses

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

361 Skin graft for skin & subcutaneous tissue diagnoses  
362 Mastectomy procedures  
363 Breast procedures except mastectomy  
364 Other skin, subcutaneous tissue & breast procedures  
380 Skin ulcers  
381 Major skin disorders  
382 Malignant breast disorders  
383 Cellulitis & other bacterial skin infections  
384 Contusion, open wound & other trauma to skin & subcutaneous tissue  
385 Other skin, subcutaneous tissue & breast disorders  
401 Pituitary & adrenal procedures  
403 Procedures for obesity  
404 Thyroid, parathyroid & thyroglossal procedures  
405 Other procedures for endocrine, nutrititional & metabolic disorders  
420 Diabetes  
421 Malnutrition, failure to thrive & other nutritional disorders  
422 Hypovolemia & electrolyte disorders  
423 Inborn errors of metabolism  
424 Other endocrine disorders  
440 Kidney transplant  
441 Major bladder procedures  
442 Kidney & urinary tract procedures for malignancy  
443 Kidney & urinary tract procedures for nonmalignancy  
444 Renal dialysis access device procedure only  
445 Other bladder procedures  
446 Urethral & transurethral procedures  
447 Other kidney, urinary tract & related procedures  
460 Renal failure  
461 Kidney & urinary tract malignancy  
462 Nephritis & nephrosis  
463 Kidney & urinary tract infections  
465 Urinary stones & acquired upper urinary tract obstruction  
466 Malfunction, reactions & comp of genitourinary device or procedure  
468 Other kidney & urinary tract diagnoses, signs & symptoms  
480 Major male pelvic procedures  
481 Penis procedures  
482 Transurethral prostatectomy  
483 Testes & scrotal procedures  
484 Other male reproductive system & related procedures  
500 Malignancy, male reproductive system  
501 Male reproductive system diagnoses except malignancy  
510 Pelvic evisceration, radical hysterectomy & radical vulvectomy  
511 Uterine & adnexa procedures for ovarian & adnexal malignancy  
512 Uterine & adnexa procedures for non-ovarian & non-adnexal malignancy  
513 Uterine & adnexa procedures for non-malignancy except leiomyoma  
514 Female reproductive system reconstructive procedures  
517 Dilation & curettage for non-obstetric diagnoses  
519 Uterine & adnexa procedures for leiomyoma  
530 Female reproductive system malignancy  
531 Female reproductive system infections  
532 Menstrual & other female reproductive system disorders  
540 Cesarean delivery

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

541 Vaginal delivery w sterilization &/or D&C  
542 Vaginal delivery w complicating proc except sterilization &/or D&C  
544 D&C, aspiration curettage or hysterotomy for obstetric diagnoses  
560 Vaginal delivery  
561 Postpartum & post abortion diagnoses w/o procedure  
563 Threatened abortion  
564 Abortion w/o D&C, aspiration curettage or hysterotomy  
565 False labor  
566 Other antepartum diagnoses  
580 Neonate, transferred <5 days old, not born here  
581 Neonate, transferred <5 days old, born here  
583 Neonate, w ecmo  
588 Neonate bwt <1500 g with major procedure  
589 Neonate bwt <500 g  
591 Neonate, birthwt 500,749g w/o major procedure  
593 Neonate, birthwt 750g-999g w/o major procedure  
602 Neonate, birthwt 1000-1249g w respiratory distress syndrome or major anomaly  
603 Neonate, birthwt 1000-1249g w or w/o other significant condition  
611 Neonate, birthwt 1500-1999g w major anomaly  
612 Neonate, birthwt 1500-1999g w respiratory distress syndrome/oth maj resp cond  
613 Neonate, birthwt 1500-1999g w congenital or perinatal infections  
614 Neonate, birthwt 1500-1999g w or w/o other significant conditions  
621 Neonate, birthwt 2000-2499g w major anomaly  
622 Neonate, birthwt 2000-2499g w respiratory distress syndrome  
623 Neonate, birthwt 2000-2499g w congenital or perinatal infections  
625 Neonate, birthwt 2000-2499g, born here, w other significant condition  
626 Neonate, bwt 2000-2499g, born here, normal NB & NB w other prob  
630 Neonate, birthwt >2499g w major cardiovascular procedure  
631 Neonate, birthwt >2499g w other major procedure  
633 Neonate, birthwt >2499g w major anomaly  
634 Neonate, birthwt >2499g w respiratory distress syndrome/oth maj resp cond  
636 Neonate, birthwt >2499g w congenital/perinatal infections  
639 Neonate, birthwt >2499g, born here, w other significant condition  
640 Neonate, bwt >2499g, normal NB & NB w other problems  
650 Splenectomy  
651 Other procedures of blood & blood forming organs  
660 Major hematologica/immunologic diagnoses exce sickle cell crisis & coag  
661 Coagulation & platelet disorders  
662 Sickle cell anemia crisis  
663 Other anemia & disorders of blood & blood forming organs  
680 Major O.R. procedures for lymphatic/hematopoietic/other neoplasms  
681 Other O.R. procedures for lymphatic/hematopoietic/other neoplasms  
690 Acute leukemia  
691 Lymphoma, myeloma & non-acute leukemia  
692 Radiotherapy  
693 Chemotherapy  
694 Lymphatic & other malignancies & neoplasms of uncertain behavior  
710 Infectious & parasitic diseases including HIV w O.R.procedure  
711 Postoperative, post traumatic, other device infections w O.R. procedure  
720 Septicemia & disseminated infections  
721 Postoperative, post-traumatic infections, other device infections  
722 Fever  
723 Viral illness



**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

724 Other infectious & parasitic diseases  
740 Mental illness diagnosis w O.R. procedure  
750 Schizophrenia  
751 Major depressive disorders & other/unspecified psychoses  
752 Disorders of personality & impulse control  
753 Bipolar disorders  
754 Depression except major depressive disorders  
755 Adjustment disorders & neuroses except depressive diagnoses  
756 Acute anxiety & delirium states  
757 Organic mental health disturbances  
758 Childhood behavioral disorders  
759 Eating disorders  
760 Other mental health disorders  
770 Drug & alcohol abuse or dependence, left against medical advice  
771 Alcohol & drug dependence w rehabilitation therapy  
773 Opioid abuse & dependence  
774 Cocaine abuse & dependence  
775 Alcohol abuse & dependence  
776 Other drug abuse & dependence  
791 O.R. procedures for other complications of treatment  
811 Allergic reactions  
812 Poisoning & toxic effects of drugs  
813 Other complications of treatment  
815 Other injury, poisoning & toxic effect diagnoses  
816 Toxic effects of non-medical substances  
841 Extensive 3<sup>rd</sup> degree burns w skin graft  
842 Full thickness burns w skin graft  
843 Extensive 3<sup>rd</sup> degree burns or full thickness burns w/o skin graft  
844 Partial thickness burns w or w/o skin graft  
850 Procedure w diagnoses of rehab, aftercare or other contact w health services  
860 Rehabilitation  
861 Signs, symptoms & other factors influencing health status  
862 Other aftercare & convalescence  
863 Neonatal aftercare  
890 HIV w multiple major HIV related conditions  
892 HIV w major HIV related infections  
893 HIV w multiple significant HIV related conditions  
894 HIV w one significant HIV condition or w/o significant related condition  
910 Craniotomy for multiple sig trauma  
911 Extensive abdominal/thoracic procedures for multiple significant trauma  
912 Musculoskeletal & other procedures for multiple significant trauma  
930 Multiple significant trauma w/o O.R. procedure  
950 Extensive procedure unrelated to principal diagnosis  
951 Moderately extensive procedure unrelated to principal diagnosis  
952 Nonextensive procedure unrelated to principal diagnosis  
955 Principal diagnosis invalid as discharge diagnosis  
956 Ungroupable

**Medicare Severity-Diagnosis Related Group (MS-DRG)  
Version 25.0 (4<sup>th</sup> quarter 2007)**

001	Heart transplant or implant of heart assist system w MCC
002	Heart transplant or implant of heart assist system w/o MCC
003	"ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R."
004	"Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R."
005	Liver transplant w MCC or intestinal transplant
006	Liver transplant w/o MCC
007	Lung transplant
008	Simultaneous pancreas/kidney transplant
009	Bone marrow transplant
010	Pancreas transplant
011	"Tracheostomy for face,mouth & neck diagnoses w MCC"
012	"Tracheostomy for face,mouth & neck diagnoses w CC"
013	"Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC"
020	Intracranial vascular procedures w PDX hemorrhage w MCC
021	Intracranial vascular procedures w PDX hemorrhage w CC
022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC
023	Cranio w major dev impl/acute complex CNS PDX w MCC or chemo implant
024	Cranio w major dev impl/acute complex CNS PDX w/o MCC
025	Craniotomy & endovascular intracranial procedures w MCC
026	Craniotomy & endovascular intracranial procedures w CC
027	Craniotomy & endovascular intracranial procedures w/o CC/MCC
028	Spinal procedures w MCC
029	Spinal procedures w CC or spinal neurostimulators
030	Spinal procedures w/o CC/MCC
031	Ventricular shunt procedures w MCC
032	Ventricular shunt procedures w CC
033	Ventricular shunt procedures w/o CC/MCC
034	Carotid artery stent procedure w MCC
035	Carotid artery stent procedure w CC
036	Carotid artery stent procedure w/o CC/MCC
037	Extracranial procedures w MCC
038	Extracranial procedures w CC
039	Extracranial procedures w/o CC/MCC
040	Periph/cranial nerve & other nerv syst proc w MCC
041	Periph/cranial nerve & other nerv syst proc w CC or periph neurostim
042	Periph/cranial nerve & other nerv syst proc w/o CC/MCC
052	Spinal disorders & injuries w CC/MCC
053	Spinal disorders & injuries w/o CC/MCC
054	Nervous system neoplasms w MCC
055	Nervous system neoplasms w/o MCC
056	Degenerative nervous system disorders w MCC
057	Degenerative nervous system disorders w/o MCC
058	Multiple sclerosis & cerebellar ataxia w MCC
059	Multiple sclerosis & cerebellar ataxia w CC
060	Multiple sclerosis & cerebellar ataxia w/o CC/MCC
061	Acute ischemic stroke w use of thrombolytic agent w MCC
062	Acute ischemic stroke w use of thrombolytic agent w CC
063	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC
064	Intracranial hemorrhage or cerebral infarction w MCC
065	Intracranial hemorrhage or cerebral infarction w CC
066	Intracranial hemorrhage or cerebral infarction w/o CC/MCC
067	Nonspecific CVA & precerebral occlusion w/o infarct w MCC
068	Nonspecific CVA & precerebral occlusion w/o infarct w/o MCC
069	Transient ischemia

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070	Nonspecific cerebrovascular disorders w MCC
071	Nonspecific cerebrovascular disorders w CC
072	Nonspecific cerebrovascular disorders w/o CC/MCC
073	Cranial & peripheral nerve disorders w MCC
074	Cranial & peripheral nerve disorders w/o MCC
075	Viral meningitis w CC/MCC
076	Viral meningitis w/o CC/MCC
077	Hypertensive encephalopathy w MCC
078	Hypertensive encephalopathy w CC
079	Hypertensive encephalopathy w/o CC/MCC
080	Nontraumatic stupor & coma w MCC
081	Nontraumatic stupor & coma w/o MCC
082	"Traumatic stupor & coma, coma >1 hr w MCC"
083	"Traumatic stupor & coma, coma >1 hr w CC"
084	"Traumatic stupor & coma, coma >1 hr w/o CC/MCC"
085	"Traumatic stupor & coma, coma <1 hr w MCC"
086	"Traumatic stupor & coma, coma <1 hr w CC"
087	"Traumatic stupor & coma, coma <1 hr w/o CC/MCC"
088	Concussion w MCC
089	Concussion w CC
090	Concussion w/o CC/MCC
091	Other disorders of nervous system w MCC
092	Other disorders of nervous system w CC
093	Other disorders of nervous system w/o CC/MCC
094	Bacterial & tuberculous infections of nervous system w MCC
095	Bacterial & tuberculous infections of nervous system w CC
096	Bacterial & tuberculous infections of nervous system w/o CC/MCC
097	Non-bacterial infect of nervous sys exc viral meningitis w MCC
098	Non-bacterial infect of nervous sys exc viral meningitis w CC
099	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC
100	Seizures w MCC
101	Seizures w/o MCC
102	Headaches w MCC
103	Headaches w/o MCC
113	Orbital procedures w CC/MCC
114	Orbital procedures w/o CC/MCC
115	Extraocular procedures except orbit
116	Intraocular procedures w CC/MCC
117	Intraocular procedures w/o CC/MCC
121	Acute major eye infections w CC/MCC
122	Acute major eye infections w/o CC/MCC
123	Neurological eye disorders
124	Other disorders of the eye w MCC
125	Other disorders of the eye w/o MCC
129	Major head & neck procedures w CC/MCC or major device
130	Major head & neck procedures w/o CC/MCC
131	Cranial/facial procedures w CC/MCC
132	Cranial/facial procedures w/o CC/MCC
133	"Other ear, nose, mouth & throat O.R. procedures w CC/MCC"
134	"Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC"
135	Sinus & mastoid procedures w CC/MCC
136	Sinus & mastoid procedures w/o CC/MCC
137	Mouth procedures w CC/MCC
138	Mouth procedures w/o CC/MCC

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139	Salivary gland procedures
146	"Ear, nose, mouth & throat malignancy w MCC"
147	"Ear, nose, mouth & throat malignancy w CC"
148	"Ear, nose, mouth & throat malignancy w/o CC/MCC"
149	Dysequilibrium
150	Epistaxis w MCC
151	Epistaxis w/o MCC
152	Otitis media & URI w MCC
153	Otitis media & URI w/o MCC
154	"Other ear, nose, mouth & throat diagnoses w MCC"
155	"Other ear, nose, mouth & throat diagnoses w CC"
156	"Other ear, nose, mouth & throat diagnoses w/o CC/MCC"
157	Dental & oral diseases w MCC
158	Dental & oral diseases w CC
159	Dental & oral diseases w/o CC/MCC
163	Major chest procedures w MCC
164	Major chest procedures w CC
165	Major chest procedures w/o CC/MCC
166	Other resp system O.R. procedures w MCC
167	Other resp system O.R. procedures w CC
168	Other resp system O.R. procedures w/o CC/MCC
175	Pulmonary embolism w MCC
176	Pulmonary embolism w/o MCC
177	Respiratory infections & inflammations w MCC
178	Respiratory infections & inflammations w CC
179	Respiratory infections & inflammations w/o CC/MCC
180	Respiratory neoplasms w MCC
181	Respiratory neoplasms w CC
182	Respiratory neoplasms w/o CC/MCC
183	Major chest trauma w MCC
184	Major chest trauma w CC
185	Major chest trauma w/o CC/MCC
186	Pleural effusion w MCC
187	Pleural effusion w CC
188	Pleural effusion w/o CC/MCC
189	Pulmonary edema & respiratory failure
190	Chronic obstructive pulmonary disease w MCC
191	Chronic obstructive pulmonary disease w CC
192	Chronic obstructive pulmonary disease w/o CC/MCC
193	Simple pneumonia & pleurisy w MCC
194	Simple pneumonia & pleurisy w CC
195	Simple pneumonia & pleurisy w/o CC/MCC
196	Interstitial lung disease w MCC
197	Interstitial lung disease w CC
198	Interstitial lung disease w/o CC/MCC
199	Pneumothorax w MCC
200	Pneumothorax w CC
201	Pneumothorax w/o CC/MCC
202	Bronchitis & asthma w CC/MCC
203	Bronchitis & asthma w/o CC/MCC
204	Respiratory signs & symptoms
205	Other respiratory system diagnoses w MCC
206	Other respiratory system diagnoses w/o MCC
207	Respiratory system diagnosis w ventilator support 96+ hours

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208	Respiratory system diagnosis w ventilator support <96 hours
215	Other heart assist system implant
216	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC
217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC
218	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC
219	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC
220	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC
221	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC
222	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC
223	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC
224	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC
225	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC
226	Cardiac defibrillator implant w/o cardiac cath w MCC
227	Cardiac defibrillator implant w/o cardiac cath w/o MCC
228	Other cardiothoracic procedures w MCC
229	Other cardiothoracic procedures w CC
230	Other cardiothoracic procedures w/o CC/MCC
231	Coronary bypass w PTCA w MCC
232	Coronary bypass w PTCA w/o MCC
233	Coronary bypass w cardiac cath w MCC
234	Coronary bypass w cardiac cath w/o MCC
235	Coronary bypass w/o cardiac cath w MCC
236	Coronary bypass w/o cardiac cath w/o MCC
237	Major cardioasc procedures w MCC or thoracic aortic aneurysm repair
238	Major cardioasc procedures w/o MCC
239	Amputation for circ sys disorders exc upper limb & toe w MCC
240	Amputation for circ sys disorders exc upper limb & toe w CC
241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC
242	Permanent cardiac pacemaker implant w MCC
243	Permanent cardiac pacemaker implant w CC
244	Permanent cardiac pacemaker implant w/o CC/MCC
245	AICD generator procedures
246	Perc cardioasc proc w drug-eluting stent w MCC or 4+ vessels/stents
247	Perc cardioasc proc w drug-eluting stent w/o MCC
248	Perc cardioasc proc w non-drug-eluting stent w MCC or 4+ ves/stents
249	Perc cardioasc proc w non-drug-eluting stent w/o MCC
250	Perc cardioasc proc w/o coronary artery stent w MCC
251	Perc cardioasc proc w/o coronary artery stent w/o MCC
252	Other vascular procedures w MCC
253	Other vascular procedures w CC
254	Other vascular procedures w/o CC/MCC
255	Upper limb & toe amputation for circ system disorders w MCC
256	Upper limb & toe amputation for circ system disorders w CC
257	Upper limb & toe amputation for circ system disorders w/o CC/MCC
258	Cardiac pacemaker device replacement w MCC
259	Cardiac pacemaker device replacement w/o MCC
260	Cardiac pacemaker revision except device replacement w MCC
261	Cardiac pacemaker revision except device replacement w CC
262	Cardiac pacemaker revision except device replacement w/o CC/MCC
263	Vein ligation & stripping
264	Other circulatory system O.R. procedures
265	AICD lead procedures
280	"Acute myocardial infarction, discharged alive w MCC"
281	"Acute myocardial infarction, discharged alive w CC"

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282 "Acute myocardial infarction, discharged alive w/o CC/MCC"  
 283 "Acute myocardial infarction, expired w MCC"  
 284 "Acute myocardial infarction, expired w CC"  
 285 "Acute myocardial infarction, expired w/o CC/MCC"  
 286 "Circulatory disorders except AMI, w card cath w MCC"  
 287 "Circulatory disorders except AMI, w card cath w/o MCC"  
 288 Acute & subacute endocarditis w MCC  
 289 Acute & subacute endocarditis w CC  
 290 Acute & subacute endocarditis w/o CC/MCC  
 291 Heart failure & shock w MCC  
 292 Heart failure & shock w CC  
 293 Heart failure & shock w/o CC/MCC  
 294 Deep vein thrombophlebitis w CC/MCC  
 295 Deep vein thrombophlebitis w/o CC/MCC  
 296 "Cardiac arrest, unexplained w MCC"  
 297 "Cardiac arrest, unexplained w CC"  
 298 "Cardiac arrest, unexplained w/o CC/MCC"  
 299 Peripheral vascular disorders w MCC  
 300 Peripheral vascular disorders w CC  
 301 Peripheral vascular disorders w/o CC/MCC  
 302 Atherosclerosis w MCC  
 303 Atherosclerosis w/o MCC  
 304 Hypertension w MCC  
 305 Hypertension w/o MCC  
 306 Cardiac congenital & valvular disorders w MCC  
 307 Cardiac congenital & valvular disorders w/o MCC  
 308 Cardiac arrhythmia & conduction disorders w MCC  
 309 Cardiac arrhythmia & conduction disorders w CC  
 310 Cardiac arrhythmia & conduction disorders w/o CC/MCC  
 311 Angina pectoris  
 312 Syncope & collapse  
 313 Chest pain  
 314 Other circulatory system diagnoses w MCC  
 315 Other circulatory system diagnoses w CC  
 316 Other circulatory system diagnoses w/o CC/MCC  
 326 "Stomach, esophageal & duodenal proc w MCC"  
 327 "Stomach, esophageal & duodenal proc w CC"  
 328 "Stomach, esophageal & duodenal proc w/o CC/MCC"  
 329 Major small & large bowel procedures w MCC  
 330 Major small & large bowel procedures w CC  
 331 Major small & large bowel procedures w/o CC/MCC  
 332 Rectal resection w MCC  
 333 Rectal resection w CC  
 334 Rectal resection w/o CC/MCC  
 335 Peritoneal adhesiolysis w MCC  
 336 Peritoneal adhesiolysis w CC  
 337 Peritoneal adhesiolysis w/o CC/MCC  
 338 Appendectomy w complicated principal diag w MCC  
 339 Appendectomy w complicated principal diag w CC  
 340 Appendectomy w complicated principal diag w/o CC/MCC  
 341 Appendectomy w/o complicated principal diag w MCC  
 342 Appendectomy w/o complicated principal diag w CC  
 343 Appendectomy w/o complicated principal diag w/o CC/MCC  
 344 Minor small & large bowel procedures w MCC

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345	Minor small & large bowel procedures w CC
346	Minor small & large bowel procedures w/o CC/MCC
347	Anal & stomal procedures w MCC
348	Anal & stomal procedures w CC
349	Anal & stomal procedures w/o CC/MCC
350	Inguinal & femoral hernia procedures w MCC
351	Inguinal & femoral hernia procedures w CC
352	Inguinal & femoral hernia procedures w/o CC/MCC
353	Hernia procedures except inguinal & femoral w MCC
354	Hernia procedures except inguinal & femoral w CC
355	Hernia procedures except inguinal & femoral w/o CC/MCC
356	Other digestive system O.R. procedures w MCC
357	Other digestive system O.R. procedures w CC
358	Other digestive system O.R. procedures w/o CC/MCC
368	Major esophageal disorders w MCC
369	Major esophageal disorders w CC
370	Major esophageal disorders w/o CC/MCC
371	Major gastrointestinal disorders & peritoneal infections w MCC
372	Major gastrointestinal disorders & peritoneal infections w CC
373	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC
374	Digestive malignancy w MCC
375	Digestive malignancy w CC
376	Digestive malignancy w/o CC/MCC
377	G.I. hemorrhage w MCC
378	G.I. hemorrhage w CC
379	G.I. hemorrhage w/o CC/MCC
380	Complicated peptic ulcer w MCC
381	Complicated peptic ulcer w CC
382	Complicated peptic ulcer w/o CC/MCC
383	Uncomplicated peptic ulcer w MCC
384	Uncomplicated peptic ulcer w/o MCC
385	Inflammatory bowel disease w MCC
386	Inflammatory bowel disease w CC
387	Inflammatory bowel disease w/o CC/MCC
388	G.I. obstruction w MCC
389	G.I. obstruction w CC
390	G.I. obstruction w/o CC/MCC
391	"Esophagitis, gastroent & misc digest disorders w MCC"
392	"Esophagitis, gastroent & misc digest disorders w/o MCC"
393	Other digestive system diagnoses w MCC
394	Other digestive system diagnoses w CC
395	Other digestive system diagnoses w/o CC/MCC
405	"Pancreas, liver & shunt procedures w MCC"
406	"Pancreas, liver & shunt procedures w CC"
407	"Pancreas, liver & shunt procedures w/o CC/MCC"
408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC
409	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC
410	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC
411	Cholecystectomy w c.d.e. w MCC
412	Cholecystectomy w c.d.e. w CC
413	Cholecystectomy w c.d.e. w/o CC/MCC
414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC
415	Cholecystectomy except by laparoscope w/o c.d.e. w CC
416	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC

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417	Laparoscopic cholecystectomy w/o c.d.e. w MCC
418	Laparoscopic cholecystectomy w/o c.d.e. w CC
419	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC
420	Hepatobiliary diagnostic procedures w MCC
421	Hepatobiliary diagnostic procedures w CC
422	Hepatobiliary diagnostic procedures w/o CC/MCC
423	Other hepatobiliary or pancreas O.R. procedures w MCC
424	Other hepatobiliary or pancreas O.R. procedures w CC
425	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC
432	Cirrhosis & alcoholic hepatitis w MCC
433	Cirrhosis & alcoholic hepatitis w CC
434	Cirrhosis & alcoholic hepatitis w/o CC/MCC
435	Malignancy of hepatobiliary system or pancreas w MCC
436	Malignancy of hepatobiliary system or pancreas w CC
437	Malignancy of hepatobiliary system or pancreas w/o CC/MCC
438	Disorders of pancreas except malignancy w MCC
439	Disorders of pancreas except malignancy w CC
440	Disorders of pancreas except malignancy w/o CC/MCC
441	"Disorders of liver except malig,cirr,alc hepa w MCC"
442	"Disorders of liver except malig,cirr,alc hepa w CC"
443	"Disorders of liver except malig,cirr,alc hepa w/o CC/MCC"
444	Disorders of the biliary tract w MCC
445	Disorders of the biliary tract w CC
446	Disorders of the biliary tract w/o CC/MCC
453	Combined anterior/posterior spinal fusion w MCC
454	Combined anterior/posterior spinal fusion w CC
455	Combined anterior/posterior spinal fusion w/o CC/MCC
456	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w MCC
457	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w CC
458	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o CC/MCC
459	Spinal fusion except cervical w MCC
460	Spinal fusion except cervical w/o MCC
461	Bilateral or multiple major joint procs of lower extremity w MCC
462	Bilateral or multiple major joint procs of lower extremity w/o MCC
463	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC"
464	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC"
465	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC"
466	Revision of hip or knee replacement w MCC
467	Revision of hip or knee replacement w CC
468	Revision of hip or knee replacement w/o CC/MCC
469	Major joint replacement or reattachment of lower extremity w MCC
470	Major joint replacement or reattachment of lower extremity w/o MCC
471	Cervical spinal fusion w MCC
472	Cervical spinal fusion w CC
473	Cervical spinal fusion w/o CC/MCC
474	Amputation for musculoskeletal sys & conn tissue dis w MCC
475	Amputation for musculoskeletal sys & conn tissue dis w CC
476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
477	Biopsies of musculoskeletal system & connective tissue w MCC
478	Biopsies of musculoskeletal system & connective tissue w CC
479	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC
480	Hip & femur procedures except major joint w MCC
481	Hip & femur procedures except major joint w CC
482	Hip & femur procedures except major joint w/o CC/MCC



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483	Major joint & limb reattachment proc of upper extremity w CC/MCC
484	Major joint & limb reattachment proc of upper extremity w/o CC/MCC
485	Knee procedures w pdx of infection w MCC
486	Knee procedures w pdx of infection w CC
487	Knee procedures w pdx of infection w/o CC/MCC
488	Knee procedures w/o pdx of infection w CC/MCC
489	Knee procedures w/o pdx of infection w/o CC/MCC
490	Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim
491	Back & neck proc exc spinal fusion w/o CC/MCC
492	"Lower extrem & humer proc except hip,foot,femur w MCC"
493	"Lower extrem & humer proc except hip,foot,femur w CC"
494	"Lower extrem & humer proc except hip,foot,femur w/o CC/MCC"
495	Local excision & removal int fix devices exc hip & femur w MCC
496	Local excision & removal int fix devices exc hip & femur w CC
497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
498	Local excision & removal int fix devices of hip & femur w CC/MCC
499	Local excision & removal int fix devices of hip & femur w/o CC/MCC
500	Soft tissue procedures w MCC
501	Soft tissue procedures w CC
502	Soft tissue procedures w/o CC/MCC
503	Foot procedures w MCC
504	Foot procedures w CC
505	Foot procedures w/o CC/MCC
506	Major thumb or joint procedures
507	Major shoulder or elbow joint procedures w CC/MCC
508	Major shoulder or elbow joint procedures w/o CC/MCC
509	Arthroscopy
510	"Shoulder,elbow or forearm proc,exc major joint proc w MCC"
511	"Shoulder,elbow or forearm proc,exc major joint proc w CC"
512	"Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC"
513	"Hand or wrist proc, except major thumb or joint proc w CC/MCC"
514	"Hand or wrist proc, except major thumb or joint proc w/o CC/MCC"
515	Other musculoskelet sys & conn tiss O.R. proc w MCC
516	Other musculoskelet sys & conn tiss O.R. proc w CC
517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
533	Fractures of femur w MCC
534	Fractures of femur w/o MCC
535	Fractures of hip & pelvis w MCC
536	Fractures of hip & pelvis w/o MCC
537	"Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC"
538	"Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC"
539	Osteomyelitis w MCC
540	Osteomyelitis w CC
541	Osteomyelitis w/o CC/MCC
542	Pathological fractures & musculoskelet & conn tiss malig w MCC
543	Pathological fractures & musculoskelet & conn tiss malig w CC
544	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC
545	Connective tissue disorders w MCC
546	Connective tissue disorders w CC
547	Connective tissue disorders w/o CC/MCC
548	Septic arthritis w MCC
549	Septic arthritis w CC
550	Septic arthritis w/o CC/MCC
551	Medical back problems w MCC

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552	Medical back problems w/o MCC
553	Bone diseases & arthropathies w MCC
554	Bone diseases & arthropathies w/o MCC
555	Signs & symptoms of musculoskeletal system & conn tissue w MCC
556	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC
557	"Tendonitis, myositis & bursitis w MCC"
558	"Tendonitis, myositis & bursitis w/o MCC"
559	"Aftercare, musculoskeletal system & connective tissue w MCC"
560	"Aftercare, musculoskeletal system & connective tissue w CC"
561	"Aftercare, musculoskeletal system & connective tissue w/o CC/MCC"
562	"Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC"
563	"Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC"
564	Other musculoskeletal sys & connective tissue diagnoses w MCC
565	Other musculoskeletal sys & connective tissue diagnoses w CC
566	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC
573	Skin graft &/or debrid for skn ulcer or cellulitis w MCC
574	Skin graft &/or debrid for skn ulcer or cellulitis w CC
575	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC
576	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC
577	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC
578	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC
579	"Other skin, subcut tiss & breast proc w MCC"
580	"Other skin, subcut tiss & breast proc w CC"
581	"Other skin, subcut tiss & breast proc w/o CC/MCC"
582	Mastectomy for malignancy w CC/MCC
583	Mastectomy for malignancy w/o CC/MCC
584	"Breast biopsy, local excision & other breast procedures w CC/MCC"
585	"Breast biopsy, local excision & other breast procedures w/o CC/MCC"
592	Skin ulcers w MCC
593	Skin ulcers w CC
594	Skin ulcers w/o CC/MCC
595	Major skin disorders w MCC
596	Major skin disorders w/o MCC
597	Malignant breast disorders w MCC
598	Malignant breast disorders w CC
599	Malignant breast disorders w/o CC/MCC
600	Non-malignant breast disorders w CC/MCC
601	Non-malignant breast disorders w/o CC/MCC
602	Cellulitis w MCC
603	Cellulitis w/o MCC
604	"Trauma to the skin, subcut tiss & breast w MCC"
605	"Trauma to the skin, subcut tiss & breast w/o MCC"
606	Minor skin disorders w MCC
607	Minor skin disorders w/o MCC
614	Adrenal & pituitary procedures w CC/MCC
615	Adrenal & pituitary procedures w/o CC/MCC
616	"Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC"
617	"Amputat of lower limb for endocrine,nutrit,& metabol dis w CC"
618	"Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC"
619	O.R. procedures for obesity w MCC
620	O.R. procedures for obesity w CC
621	O.R. procedures for obesity w/o CC/MCC
622	"Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC"
623	"Skin grafts & wound debrid for endoc, nutrit & metab dis w CC"

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624	"Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC"
625	"Thyroid, parathyroid & thyroglossal procedures w MCC"
626	"Thyroid, parathyroid & thyroglossal procedures w CC"
627	"Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC"
628	"Other endocrine, nutrit & metab O.R. proc w MCC"
629	"Other endocrine, nutrit & metab O.R. proc w CC"
630	"Other endocrine, nutrit & metab O.R. proc w/o CC/MCC"
637	Diabetes w MCC
638	Diabetes w CC
639	Diabetes w/o CC/MCC
640	Nutritional & misc metabolic disorders w MCC
641	Nutritional & misc metabolic disorders w/o MCC
642	Inborn errors of metabolism
643	Endocrine disorders w MCC
644	Endocrine disorders w CC
645	Endocrine disorders w/o CC/MCC
652	Kidney transplant
653	Major bladder procedures w MCC
654	Major bladder procedures w CC
655	Major bladder procedures w/o CC/MCC
656	Kidney & ureter procedures for neoplasm w MCC
657	Kidney & ureter procedures for neoplasm w CC
658	Kidney & ureter procedures for neoplasm w/o CC/MCC
659	Kidney & ureter procedures for non-neoplasm w MCC
660	Kidney & ureter procedures for non-neoplasm w CC
661	Kidney & ureter procedures for non-neoplasm w/o CC/MCC
662	Minor bladder procedures w MCC
663	Minor bladder procedures w CC
664	Minor bladder procedures w/o CC/MCC
665	Prostatectomy w MCC
666	Prostatectomy w CC
667	Prostatectomy w/o CC/MCC
668	Transurethral procedures w MCC
669	Transurethral procedures w CC
670	Transurethral procedures w/o CC/MCC
671	Urethral procedures w CC/MCC
672	Urethral procedures w/o CC/MCC
673	Other kidney & urinary tract procedures w MCC
674	Other kidney & urinary tract procedures w CC
675	Other kidney & urinary tract procedures w/o CC/MCC
682	Renal failure w MCC
683	Renal failure w CC
684	Renal failure w/o CC/MCC
685	Admit for renal dialysis
686	Kidney & urinary tract neoplasms w MCC
687	Kidney & urinary tract neoplasms w CC
688	Kidney & urinary tract neoplasms w/o CC/MCC
689	Kidney & urinary tract infections w MCC
690	Kidney & urinary tract infections w/o MCC
691	Urinary stones w esw lithotripsy w CC/MCC
692	Urinary stones w esw lithotripsy w/o CC/MCC
693	Urinary stones w/o esw lithotripsy w MCC
694	Urinary stones w/o esw lithotripsy w/o MCC
695	Kidney & urinary tract signs & symptoms w MCC

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696	Kidney & urinary tract signs & symptoms w/o MCC
697	Urethral stricture
698	Other kidney & urinary tract diagnoses w MCC
699	Other kidney & urinary tract diagnoses w CC
700	Other kidney & urinary tract diagnoses w/o CC/MCC
707	Major male pelvic procedures w CC/MCC
708	Major male pelvic procedures w/o CC/MCC
709	Penis procedures w CC/MCC
710	Penis procedures w/o CC/MCC
711	Testes procedures w CC/MCC
712	Testes procedures w/o CC/MCC
713	Transurethral prostatectomy w CC/MCC
714	Transurethral prostatectomy w/o CC/MCC
715	Other male reproductive system O.R. proc for malignancy w CC/MCC
716	Other male reproductive system O.R. proc for malignancy w/o CC/MCC
717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
722	"Malignancy, male reproductive system w MCC"
723	"Malignancy, male reproductive system w CC"
724	"Malignancy, male reproductive system w/o CC/MCC"
725	Benign prostatic hypertrophy w MCC
726	Benign prostatic hypertrophy w/o MCC
727	Inflammation of the male reproductive system w MCC
728	Inflammation of the male reproductive system w/o MCC
729	Other male reproductive system diagnoses w CC/MCC
730	Other male reproductive system diagnoses w/o CC/MCC
734	"Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC"
735	"Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC"
736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC
737	Uterine & adnexa proc for ovarian or adnexal malignancy w CC
738	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC
739	"Uterine,adnexa proc for non-ovarian/adnexal malig w MCC"
740	"Uterine,adnexa proc for non-ovarian/adnexal malig w CC"
741	"Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC"
742	Uterine & adnexa proc for non-malignancy w CC/MCC
743	Uterine & adnexa proc for non-malignancy w/o CC/MCC
744	"D&C, conization, laparoscopy & tubal interruption w CC/MCC"
745	"D&C, conization, laparoscopy & tubal interruption w/o CC/MCC"
746	"Vagina, cervix & vulva procedures w CC/MCC"
747	"Vagina, cervix & vulva procedures w/o CC/MCC"
748	Female reproductive system reconstructive procedures
749	Other female reproductive system O.R. procedures w CC/MCC
750	Other female reproductive system O.R. procedures w/o CC/MCC
754	"Malignancy, female reproductive system w MCC"
755	"Malignancy, female reproductive system w CC"
756	"Malignancy, female reproductive system w/o CC/MCC"
757	"Infections, female reproductive system w MCC"
758	"Infections, female reproductive system w CC"
759	"Infections, female reproductive system w/o CC/MCC"
760	Menstrual & other female reproductive system disorders w CC/MCC
761	Menstrual & other female reproductive system disorders w/o CC/MCC
765	Cesarean section w CC/MCC
766	Cesarean section w/o CC/MCC
767	Vaginal delivery w sterilization &/or D&C

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768	Vaginal delivery w O.R. proc except steril &/or D&C
769	Postpartum & post abortion diagnoses w O.R. procedure
770	"Abortion w D&C, aspiration curettage or hysterotomy"
774	Vaginal delivery w complicating diagnoses
775	Vaginal delivery w/o complicating diagnoses
776	Postpartum & post abortion diagnoses w/o O.R. procedure
777	Ectopic pregnancy
778	Threatened abortion
779	Abortion w/o D&C
780	False labor
781	Other antepartum diagnoses w medical complications
782	Other antepartum diagnoses w/o medical complications
789	"Neonates, died or transferred to another acute care facility"
790	"Extreme immaturity or respiratory distress syndrome, neonate"
791	Prematurity w major problems
792	Prematurity w/o major problems
793	Full term neonate w major problems
794	Neonate w other significant problems
795	Normal newborn
799	Splenectomy w MCC
800	Splenectomy w CC
801	Splenectomy w/o CC/MCC
802	Other O.R. proc of the blood & blood forming organs w MCC
803	Other O.R. proc of the blood & blood forming organs w CC
804	Other O.R. proc of the blood & blood forming organs w/o CC/MCC
808	Major hematol/immun diag exc sickle cell crisis & coagul w MCC
809	Major hematol/immun diag exc sickle cell crisis & coagul w CC
810	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC
811	Red blood cell disorders w MCC
812	Red blood cell disorders w/o MCC
813	Coagulation disorders
814	Reticuloendothelial & immunity disorders w MCC
815	Reticuloendothelial & immunity disorders w CC
816	Reticuloendothelial & immunity disorders w/o CC/MCC
820	Lymphoma & leukemia w major O.R. procedure w MCC
821	Lymphoma & leukemia w major O.R. procedure w CC
822	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC
823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
824	Lymphoma & non-acute leukemia w other O.R. proc w CC
825	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC
826	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC
827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
828	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC
829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC
830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
834	Acute leukemia w/o major O.R. procedure w MCC
835	Acute leukemia w/o major O.R. procedure w CC
836	Acute leukemia w/o major O.R. procedure w/o CC/MCC
837	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC
838	Chemo w acute leukemia as sdx w CC or high dose chemo agent
839	Chemo w acute leukemia as sdx w/o CC/MCC
840	Lymphoma & non-acute leukemia w MCC
841	Lymphoma & non-acute leukemia w CC
842	Lymphoma & non-acute leukemia w/o CC/MCC

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843	Other myeloprolif dis or poorly diff neopl diag w MCC
844	Other myeloprolif dis or poorly diff neopl diag w CC
845	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC
846	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC
847	Chemotherapy w/o acute leukemia as secondary diagnosis w CC
848	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC
849	Radiotherapy
853	Infectious & parasitic diseases w O.R. procedure w MCC
854	Infectious & parasitic diseases w O.R. procedure w CC
855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC
856	Postoperative or post-traumatic infections w O.R. proc w MCC
857	Postoperative or post-traumatic infections w O.R. proc w CC
858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC
862	Postoperative & post-traumatic infections w MCC
863	Postoperative & post-traumatic infections w/o MCC
864	Fever
865	Viral illness w MCC
866	Viral illness w/o MCC
867	Other infectious & parasitic diseases diagnoses w MCC
868	Other infectious & parasitic diseases diagnoses w CC
869	Other infectious & parasitic diseases diagnoses w/o CC/MCC
870	Septicemia or severe sepsis w MV 96+ hours
871	Septicemia or severe sepsis w/o MV 96+ hours w MCC
872	Septicemia or severe sepsis w/o MV 96+ hours w/o MCC
876	O.R. procedure w principal diagnoses of mental illness
880	Acute adjustment reaction & psychosocial dysfunction
881	Depressive neuroses
882	Neuroses except depressive
883	Disorders of personality & impulse control
884	Organic disturbances & mental retardation
885	Psychoses
886	Behavioral & developmental disorders
887	Other mental disorder diagnoses
894	"Alcohol/drug abuse or dependence, left AMA"
895	Alcohol/drug abuse or dependence w rehabilitation therapy
896	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC
897	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC
901	Wound debridements for injuries w MCC
902	Wound debridements for injuries w CC
903	Wound debridements for injuries w/o CC/MCC
904	Skin grafts for injuries w CC/MCC
905	Skin grafts for injuries w/o CC/MCC
906	Hand procedures for injuries
907	Other O.R. procedures for injuries w MCC
908	Other O.R. procedures for injuries w CC
909	Other O.R. procedures for injuries w/o CC/MCC
913	Traumatic injury w MCC
914	Traumatic injury w/o MCC
915	Allergic reactions w MCC
916	Allergic reactions w/o MCC
917	Poisoning & toxic effects of drugs w MCC
918	Poisoning & toxic effects of drugs w/o MCC
919	Complications of treatment w MCC
920	Complications of treatment w CC

**Medicare Severity-Diagnosis Related Group (MS-DRG)  
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921	Complications of treatment w/o CC/MCC
922	"Other injury, poisoning & toxic effect diag w MCC"
923	"Other injury, poisoning & toxic effect diag w/o MCC"
927	Extensive burns or full thickness burns w MV 96+ hrs w skin graft
928	Full thickness burn w skin graft or inhal inj w CC/MCC
929	Full thickness burn w skin graft or inhal inj w/o CC/MCC
933	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft
934	Full thickness burn w/o skin grft or inhal inj
935	Non-extensive burns
939	O.R. proc w diagnoses of other contact w health services w MCC
940	O.R. proc w diagnoses of other contact w health services w CC
941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
945	Rehabilitation w CC/MCC
946	Rehabilitation w/o CC/MCC
947	Signs & symptoms w MCC
948	Signs & symptoms w/o MCC
949	Aftercare w CC/MCC
950	Aftercare w/o CC/MCC
951	Other factors influencing health status
955	Craniotomy for multiple significant trauma
956	"Limb reattachment, hip & femur proc for multiple significant trauma"
957	Other O.R. procedures for multiple significant trauma w MCC
958	Other O.R. procedures for multiple significant trauma w CC
959	Other O.R. procedures for multiple significant trauma w/o CC/MCC
963	Other multiple significant trauma w MCC
964	Other multiple significant trauma w CC
965	Other multiple significant trauma w/o CC/MCC
969	HIV w extensive O.R. procedure w MCC
970	HIV w extensive O.R. procedure w/o MCC
974	HIV w major related condition w MCC
975	HIV w major related condition w CC
976	HIV w major related condition w/o CC/MCC
977	HIV w or w/o other related condition
981	Extensive O.R. procedure unrelated to principal diagnosis w MCC
982	Extensive O.R. procedure unrelated to principal diagnosis w CC
983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
984	Prostatic O.R. procedure unrelated to principal diagnosis w MCC
985	Prostatic O.R. procedure unrelated to principal diagnosis w CC
986	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC
987	Non-extensive O.R. proc unrelated to principal diagnosis w MCC
988	Non-extensive O.R. proc unrelated to principal diagnosis w CC
989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC
998	Principal diagnosis invalid as discharge diagnosis
999	Ungroupable

MS-DRGs 998 and 999 contain cases that could not be assigned to valid DRGs.

## Medicare Severity-Major Diagnosis Category (MS-MDC) \*

- 0 = Ungroupable
- 1 = Nervous System
- 2 = Eye
- 3 = Ear, Nose, Mouth & Throat
- 4 = Respiratory System
- 5 = Circulatory System
- 6 = Digestive System
- 7 = Hepatobiliary System & Pancreas
- 8 = Musculoskeletal System & Connective Tissue
- 9 = Skin, Subcutaneous Tissue & Breast
- 10 = Endocrine, Nutritional & Metabolic System
- 11 = Kidney & Urinary Tract
- 12 = Male Reproductive System
- 13 = Female Reproductive System
- 14 = Pregnancy, Childbirth & the Puerperium
- 15 = Newborn & Other Neonates (Perinatal Period)
- 16 = Blood and Blood-Forming Disorders
- 17 = Myeloproliferative DDs (Diff Neoplasms)
- 18 = Infectious and Parasitic Dds
- 19 = Mental Diseases and Disorders
- 20 = Alcohol/Drug Use or Induced Mental Disorders
- 21 = Injuries, Poisoning and Toxic Effect of Drugs
- 22 = Burns
- 23 = Factors Influencing Health Status
- 24 = Multiple Significant Trauma
- 25 = Human Immunodeficiency Virus Infection

\*Patients having heart, liver, lung, simultaneous pancreas/kidney, pancreas, or bone marrow transplants, or tracheostomies, traditionally categorized as PRE MDC (0), are assigned by the DRG Grouper into the following MS-DRGs independent of the MDC of the principal diagnosis: 001-013, 984-989. MS-DRGs (981-983, 998, 999) associated with all MDCs are assigned independent of the MDC of the principal diagnosis if the diagnosis is valid. Otherwise, this is the traditional Health Care Financing Administration (HCFA) MDC.



# **APPENDIX A**

## **UTAH HOSPITAL (WITH EMERGENCY DEPARTMENTS) PROFILE**

### HOSPITAL CHARACTERISTICS: ED REPORT 2007

ID <sup>1</sup>	HOSPITAL NAME	OWN <sup>2</sup>	AFFILIATION	COUNTY	CITY	U/R <sup>3</sup>	TEACH <sup>4</sup>	# ED BEDS
111	Allen Memorial Hospital	G	Rural Health Mgmt	Grand	Moab	R	N	3
118	Alta View Hospital	N	Intermountain Healthcare	Salt Lake	Sandy	U	N	17
136	American Fork Hospital	N	Intermountain Healthcare	Utah	American Fork	U	N	11
134	Ashley Valley Medical Center	I	LifePoint Hospitals, Inc.	Uintah	Vernal	R	N	5
104	Bear River Valley Hospital	N	Intermountain Healthcare	Box Elder	Tremonton	R	N	3
101	Beaver Valley Hospital	G	Freestanding	Beaver	Beaver	R	N	2
103	Brigham City Community Hospital	I	MountainStar Healthcare	Box Elder	Brigham City	R	N	5
145	Cache Valley Specialty Hospital <sup>5</sup>	I	National Surgical Hospitals	Cache	North Logan	R	N	2
106	Castleview Hospital	I	LifePoint Hospitals, Inc.	Carbon	Price	R	N	9
113	Central Valley Medical Center	N	Rural Health Mgmt	Juab	Nephi	R	N	2
119	Cottonwood Hospital Medical Center	N	Intermountain Healthcare	Salt Lake	Murray	U	N	18
108	Davis Hospital and Medical Center	I	IASIS Health Care	Davis	Layton	U	N	21
116	Delta Community Medical Center	N	Intermountain Healthcare	Millard	Delta	R	N	6
140	Dixie Regional Medical Center	N	Intermountain Healthcare	Washington	St. George	R	N	12
115	Fillmore Community Medical Center	N	Intermountain Healthcare	Millard	Fillmore	R	N	3
110	Garfield Memorial Hospital	N	Intermountain Healthcare	Garfield	Panguitch	R	N	2
129	Gunnison Valley Hospital	G	Freestanding	Sanpete	Gunnison	R	N	3
139	Heber Valley Medical Center	N	Intermountain Healthcare	Wasatch	Heber	R	N	5

ID <sup>1</sup>	HOSPITAL NAME	OWN <sup>2</sup>	AFFILIATION	COUNTY	CITY	U/R <sup>3</sup>	TEACH <sup>4</sup>	# ED BEDS
310	Huntsman Cancer Institute <sup>5</sup>	G	University Healthcare	Salt Lake	Salt Lake City	U	Y	0
<b>146</b>	<b>Intermountain Medical Center</b>	<b>N</b>	<b>Intermountain Healthcare</b>	<b>Salt Lake</b>	<b>Murray</b>	<b>U</b>	<b>Y</b>	<b>54</b>
117	Jordan Valley Hospital	I	IASIS Health Care	Salt Lake	West Jordan	U	N	10
114	Kane County Hospital	G	Freestanding	Kane	Kanab	R	N	1
107	Lakeview Hospital	I	MountainStar Healthcare	Davis	Bountiful	U	N	11
121	LDS Hospital	N	Intermountain Healthcare	Salt Lake	Salt Lake City	U	Y	24
105	Logan Regional Hospital	N	Intermountain Healthcare	Cache	Logan	R	N	16
141	McKay-Dee Hospital	N	Intermountain Healthcare	Weber	Ogden	U	Y	23
102	Milford Valley Memorial Hospital	G	Freestanding	Beaver	Milford	R	N	1
137	Mountain View Hospital	I	MountainStar Healthcare	Utah	Payson	U	N	11
133	Mountain West Medical Center	G	Community Health Syst.	Tooele	Tooele	R	N	8
142	Ogden Regional Medical Center	I	MountainStar Healthcare	Weber	Ogden	U	N	<b>17</b>
135	Orem Community Hospital	N	Intermountain Healthcare	Utah	Orem	U	N	9
126	Pioneer Valley Hospital	I	IASIS Health Care	Salt Lake	West Valley	U	Y	18
122	Primary Children's Medical Center	N	Intermountain Healthcare	Salt Lake	Salt Lake City	U	N	13
120	Salt Lake Regional Medical Center	I	IASIS Health Care	Salt Lake	Salt Lake City	U	Y	17
128	San Juan Hospital	G	Management	San Juan	Monticello	R	N	6
130	Sanpete Valley Hospital	N	Intermountain Healthcare	Sanpete	Mt. Pleasant	R	N	3
132	Sevier Valley Hospital	N	Intermountain Healthcare	Sevier	Richfield	R	N	3
124	St. Mark's Hospital	I	MountainStar Healthcare	Salt Lake	Salt Lake City	U	Y	21

ID <sup>1</sup>	HOSPITAL NAME	OWN <sup>2</sup>	AFFILIATION	COUNTY	CITY	U/R <sup>3</sup>	TEACH <sup>4</sup>	# ED BEDS
307	The Orthopedic Specialty Hospital <sup>5</sup>	I	Intermountain Healthcare	Salt Lake	Salt Lake City	U	N	0
144	Timpanogos Regional Hospital	I	MountainStar Healthcare	Utah	Orem	U	N	6
109	Uintah Basin Medical Center	G	Freestanding	Duchesne	Roosevelt	R	N	7
125	University of Utah Hospital	G	University Healthcare	Salt Lake	Salt Lake City	U	Y	28
138	Utah Valley Regional Medical Center	N	Intermountain Healthcare	Utah	Provo	U	N	20
112	Valley View Medical Center	N	Intermountain Healthcare	Iron	Cedar City	R	N	7

<sup>1</sup>Hospital ID number. See page 8 for hospital list in numerical order.

<sup>2</sup>Owner category: G=Government, N=Not for Profit, I=Investor-Owned.

<sup>3</sup>Urban or Rural location of hospital.

<sup>4</sup>Teaching hospital (Yes or No).

<sup>5</sup>The Orthopedic Specialty Hospital is only included with the ER-Inpatient admissions in 2003 only, Huntsman Cancer Institute is ER Inpatient only, Cache Valley Hospital is ER Outpatient only.

**Note:** In previous reports the hospitals with addresses, phone numbers, and number of beds in the above list, can be obtained as a “cut and paste” document from the website <http://health.utah.gov/hda/usersupport.php> and click on “List of data providers”.

An alternative source for a list of Utah hospitals is the Utah Department of Health Website <http://health.utah.gov/hflcra> and click on “Facility Info”, “Alphabetical Listing” and the appropriate facility type.